

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF020420\
 Data File : BF118811.D
 Acq On : 4 Feb 2020 19:49
 Operator : CG/JU
 Sample : L1377-03MSD
 Misc :
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BW-2MSD

Manual Integrations
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 2/6/2020 2:17:17 PM

Quant Time: Feb 05 06:51:44 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 03 16:26:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.81	152	271444	20.00	ng	0.00
21) Naphthalene-d8	8.10	136	1026288	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	582089	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	1082660	20.00	ng	0.00
76) Chrysene-d12	13.97	240	717406	20.00	ng	-0.01
87) Perylene-d12	15.41	264	721853	20.00	ng	-0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.43	112	943705	65.81	ng	0.00
7) Phenol-d6	6.44	99	755369	42.43	ng	-0.01
23) Nitrobenzene-d5	7.37	82	1572184	91.31	ng	0.00
42) 2,4,6-Tribromophenol	10.64	330	688497	98.85	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	3065207	94.14	ng	0.00
79) Terphenyl-d14	12.92	244	3718975	106.48	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.59	88	177642	27.183	ng	99
3) Pyridine	3.33	79	420847	23.191	ng	99
4) n-Nitrosodimethylamine	3.26	42	199356	30.174	ng	99
6) Aniline	6.47	93	805794	35.147	ng	100
8) 2-Chlorophenol	6.60	128	820996	51.402	ng	99
9) Benzaldehyde	6.36	77	456023	47.383	ng	97
10) Phenol	6.46	94	521573	26.351	ng	96
11) bis(2-Chloroethyl)ether	6.55	93	746517	49.298	ng	99
12) 1,3-Dichlorobenzene	6.76	146	791870	41.651	ng	97
13) 1,4-Dichlorobenzene	6.83	146	806080	42.506	ng	98
14) 1,2-Dichlorobenzene	6.99	146	748257	41.305	ng	99
15) Benzyl Alcohol	6.95	79	601465	43.713	ng	100
16) 2,2'-oxybis(1-Chloropropan	7.09	45	866412	46.721	ng	99
17) 2-Methylphenol	7.07	107	605678	45.611	ng	99
18) Hexachloroethane	7.33	117	272094	39.976	ng	99
19) n-Nitroso-di-n-propylamine	7.23	70	551018	50.591	ng	96
20) 3+4-Methylphenols	7.22	107	642011	38.571	ng	# 85
22) Acetophenone	7.22	105	1055574	47.341	ng	99
24) Nitrobenzene	7.39	77	839682	48.816	ng	100
25) Isophorone	7.64	82	1572467	50.815	ng	97
26) 2-Nitrophenol	7.71	139	472958	51.601	ng	99
27) 2,4-Dimethylphenol	7.75	122	719959	57.825	ng	99
28) bis(2-Chloroethoxy)methane	7.85	93	968340	48.258	ng	99
29) 2,4-Dichlorophenol	7.95	162	746230	50.047	ng	100
30) 1,2,4-Trichlorobenzene	8.04	180	730611	41.921	ng	98
31) Naphthalene	8.12	128	2159031	45.997	ng	100
32) Benzoic acid	7.84	122	175305	17.006	ng	98
33) 4-Chloroaniline	8.16	127	585492	27.881	ng	98
34) Hexachlorobutadiene	8.24	225	410769	38.470	ng	98
35) Caprolactam	8.53	113	59470m	12.303	ng	
36) 4-Chloro-3-methylphenol	8.65	107	770302	51.334	ng	100
37) 2-Methylnaphthalene	8.81	142	1553430	47.719	ng	98
38) 1-Methylnaphthalene	8.91	142	1465084	47.841	ng	99
40) 1,2,4,5-Tetrachlorobenzene	8.98	216	760618	43.296	ng	99

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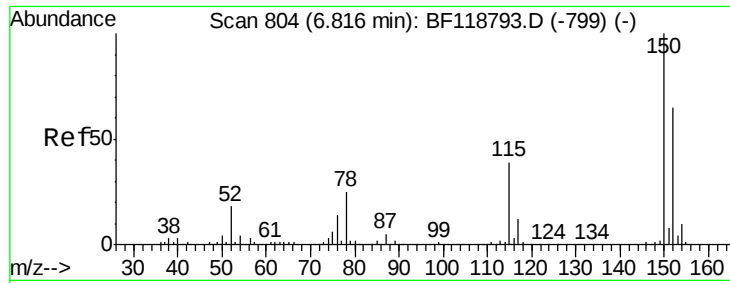
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 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF020320.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Feb 03 16:26:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.97	237	729406	105.885	nq	99
43) 2,4,6-Trichlorophenol	9.09	196	581418	49.492	nq	100
44) 2,4,5-Trichlorophenol	9.12	196	608363	50.682	nq	96
46) 1,1'-Biphenyl	9.27	154	1902822	47.257	nq	99
47) 2-Chloronaphthalene	9.30	162	1533576	45.814	nq	99
48) 2-Nitroaniline	9.39	65	460854	47.734	nq	99
49) Acenaphthylene	9.72	152	2385656	49.359	nq	100
50) Dimethylphthalate	9.58	163	2127142	53.669	nq	98
51) 2,6-Dinitrotoluene	9.63	165	469303	51.749	nq	99
52) Acenaphthene	9.89	154	1696094	53.254	nq	100
53) 3-Nitroaniline	9.80	138	280013	27.841	nq	95
54) 2,4-Dinitrophenol	9.91	184	477303	109.480	nq	97
55) Dibenzofuran	10.06	168	2207418	47.959	nq	99
56) 4-Nitrophenol	9.96	139	376853	51.772	nq	93
57) 2,4-Dinitrotoluene	10.04	165	620846	51.731	nq	92
58) Fluorene	10.40	166	1646167	47.540	nq	98
59) 2,3,4,6-Tetrachlorophenol	10.17	232	534434	50.981	nq	99
60) Diethylphthalate	10.27	149	1912355	49.620	nq	99
61) 4-Chlorophenyl-phenylether	10.39	204	885056	47.131	nq	99
62) 4-Nitroaniline	10.42	138	434943	43.184	nq	100
63) Azobenzene	10.55	77	1649146	50.121	nq	97
65) 4,6-Dinitro-2-methylphenol	10.45	198	359817	59.145	nq	98
66) n-Nitrosodiphenylamine	10.51	169	1574894	50.219	nq	99
67) 4-Bromophenyl-phenylether	10.88	248	624829	48.786	nq	98
68) Hexachlorobenzene	10.95	284	702963	47.853	nq	97
69) Atrazine	11.04	200	527525	50.491	nq	98
70) Pentachlorophenol	11.15	266	746165	96.198	nq	98
71) Phenanthrene	11.36	178	2532279	47.538	nq	99
72) Anthracene	11.41	178	2619175	49.425	nq	100
73) Carbazole	11.56	167	2300510	49.466	nq	100
74) Di-n-butylphthalate	11.90	149	2833331	47.825	nq	100
75) Fluoranthene	12.55	202	2655645	45.661	nq	98
77) Benzidine	12.66	184	1181820	54.466	nq	98
78) Pyrene	12.77	202	2642764	53.697	nq	99
80) Butylbenzylphthalate	13.39	149	1177605	52.423	nq	95
81) Benzo(a)anthracene	13.96	228	2131650	49.933	nq	99
82) 3,3'-Dichlorobenzidine	13.92	252	570209	32.658	nq	99
83) Chrysene	14.00	228	2144118	50.042	nq	99
84) Bis(2-ethylhexyl)phthalate	13.95	149	1503917	52.769	nq	100
85) Di-n-octyl phthalate	14.56	149	2482464	50.845	nq	100
86) Indeno(1,2,3-cd)pyrene	16.84	276	2353203	54.664	nq	99
88) Benzo(b)fluoranthene	14.99	252	2227889	49.738	nq	99
89) Benzo(k)fluoranthene	15.03	252	1915723	49.114	nq	99
90) Benzo(a)pyrene	15.35	252	1874355	48.896	nq	100
91) Dibenzo(a,h)anthracene	16.86	278	1957589	57.525	nq	99
92) Benzo(g,h,i)perylene	17.28	276	2004381	61.245	nq	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

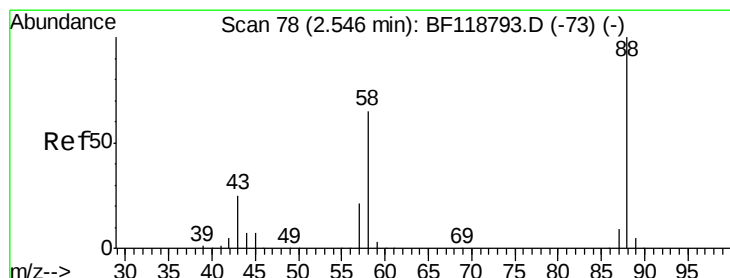
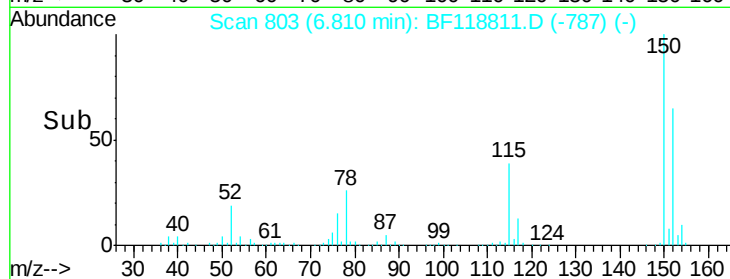
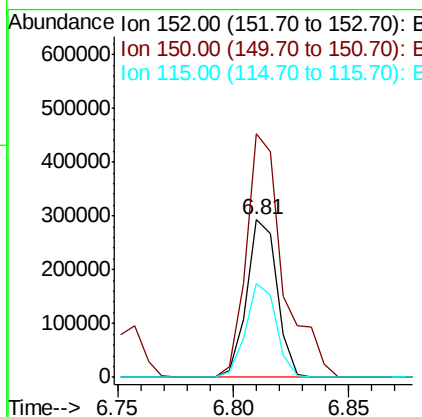
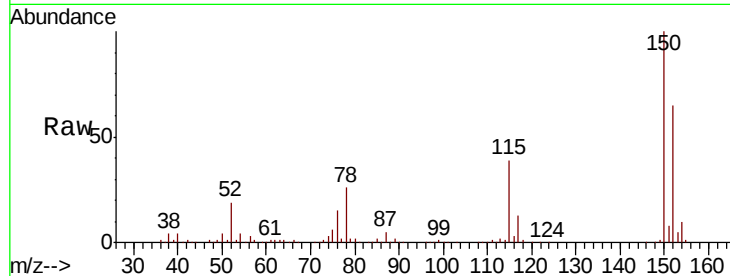
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.81 min Scan# 803
Delta R.T. -0.01 min
Lab File: BF118811.D
Acq: 4 Feb 2020 19:49

Instrument :
BNA_F
ClientSampleId :
BW-2MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	154.9	123.6	185.4
115	59.9	48.2	72.2

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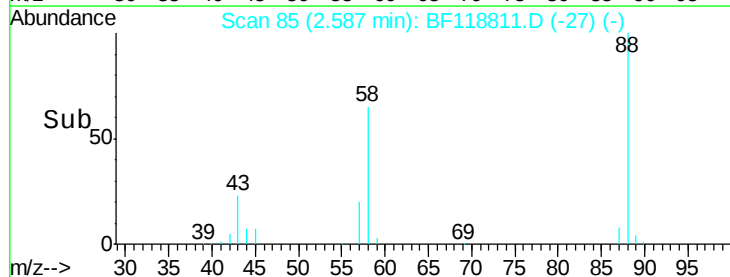
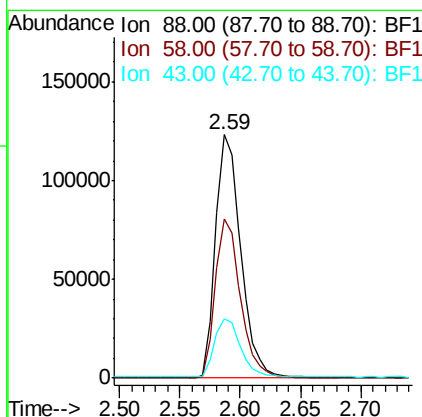
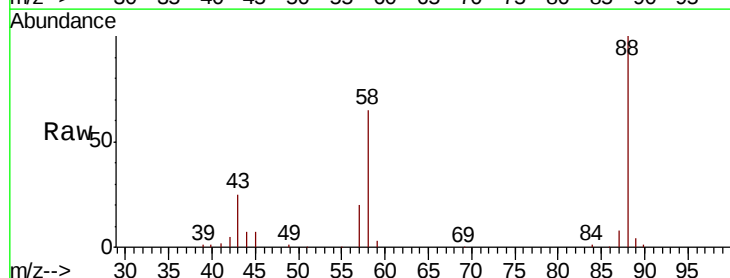
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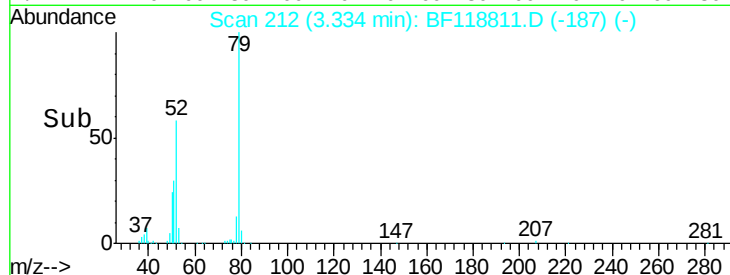
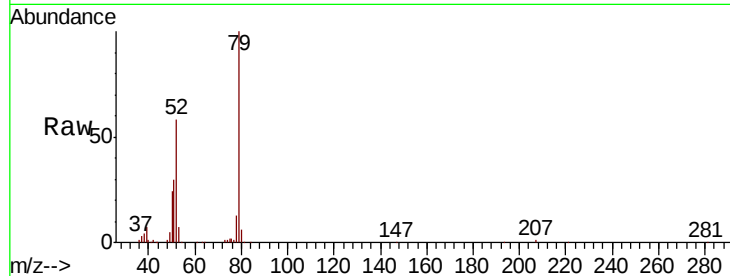
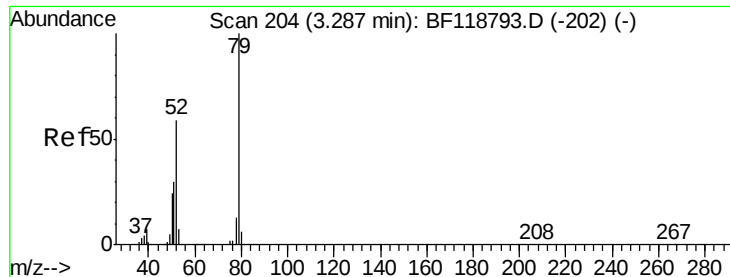


#2

1,4-Dioxane
Concen: 27.183 ng
RT: 2.59 min Scan# 85
Delta R.T. 0.04 min
Lab File: BF118811.D
Acq: 4 Feb 2020 19:49

Tgt Ion	Ratio	Lower	Upper
88	100		
58	65.1	51.6	77.4
43	25.0	19.8	29.6





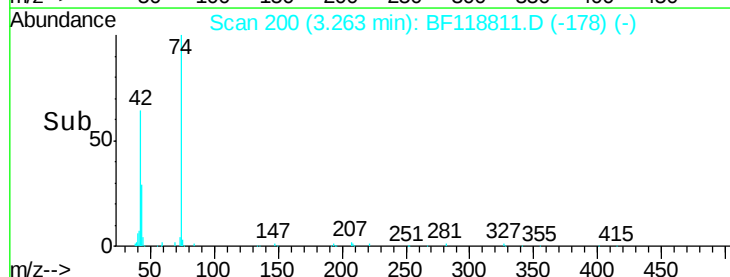
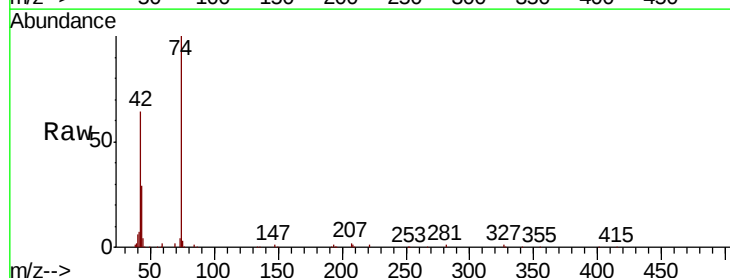
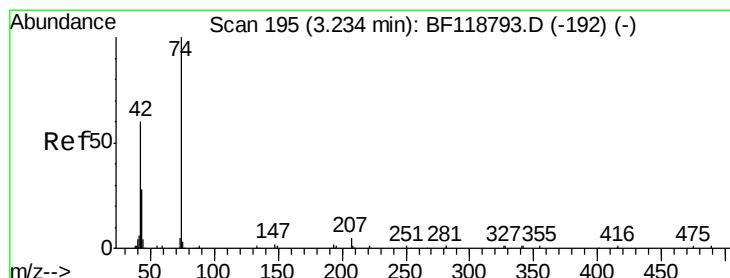
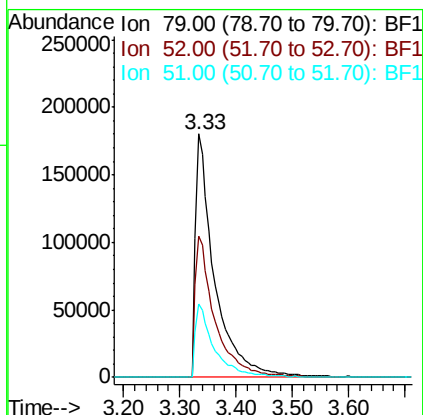
#3
 Pvridine
 Concen: 23.191 ng
 RT: 3.33 min Scan# 212
 Delta R.T. 0.05 min
 Lab File: BF118811.D
 Acq: 4 Feb 2020 19:49

Tot Ion:	79	Resp:	420847
Ion Ratio	Lower	Upper	
79	100		
52	58.2	47.4	71.0
51	30.2	24.2	36.4

Instrument :
 BNA_F
 ClientSampleId :
 BW-2MSD

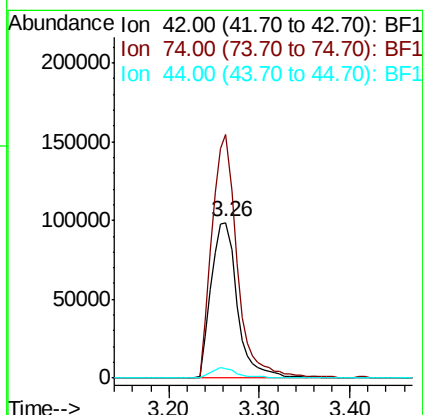
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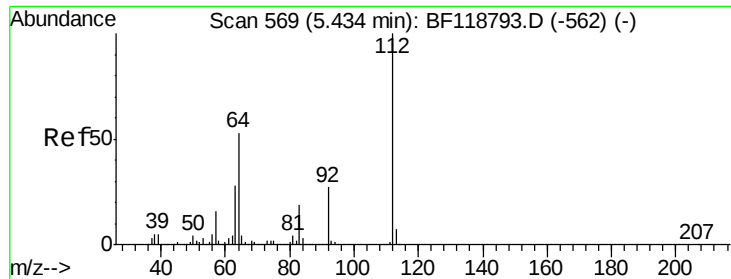
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#4
 n-Nitrosodimethylamine
 Concen: 30.174 ng
 RT: 3.26 min Scan# 200
 Delta R.T. 0.03 min
 Lab File: BF118811.D
 Acq: 4 Feb 2020 19:49

Tgt Ion:	42	Resp:	199356
Ion Ratio	Lower	Upper	
42	100		
74	156.7	124.3	186.5
44	6.3	5.3	7.9





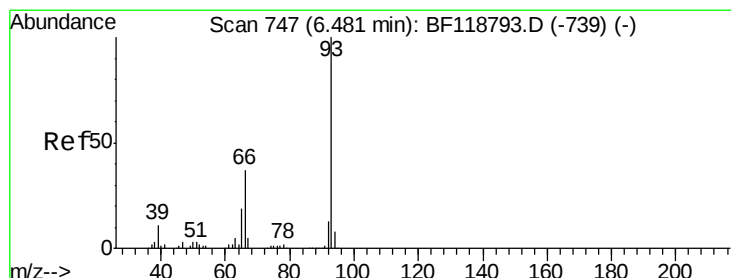
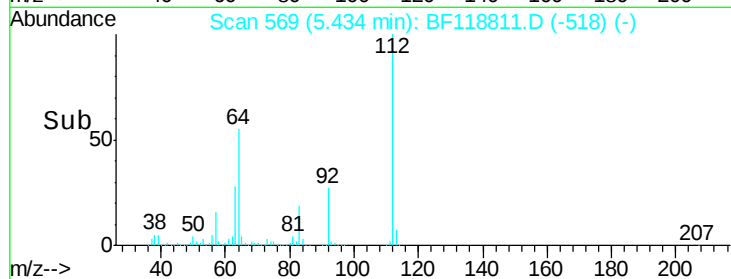
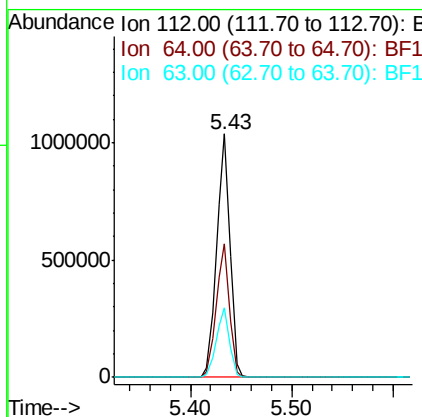
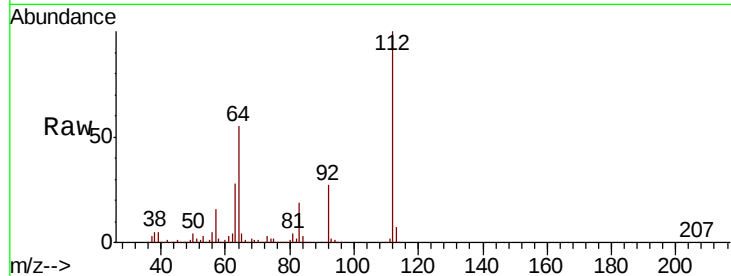
#5
2-Fluorophenol
Concen: 65.810 ng
RT: 5.43 min Scan# 569
Delta R.T. 0.00 min
Lab File: BF118811.D
Acq: 4 Feb 2020 19:49

Instrument :
BNA_F
ClientSampleId :
BW-2MSD

Tot Ion	Ratio	Resp	Lower	Upper
112	100	943705		
64	55.0		42.6	63.8
63	28.3		22.2	33.4

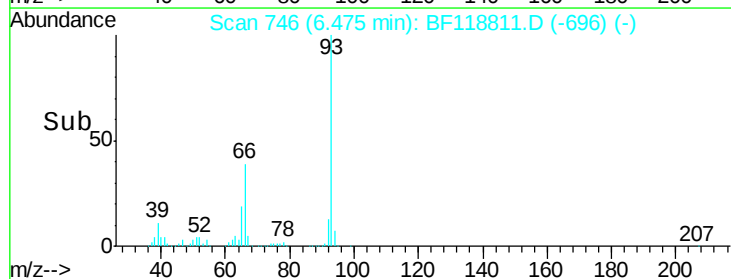
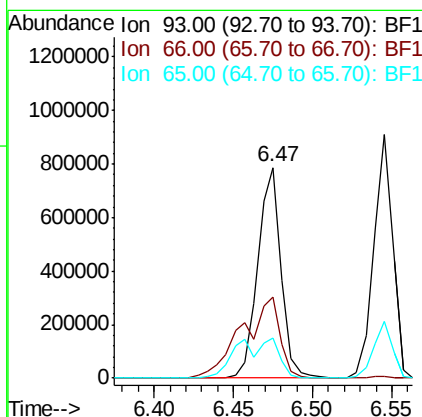
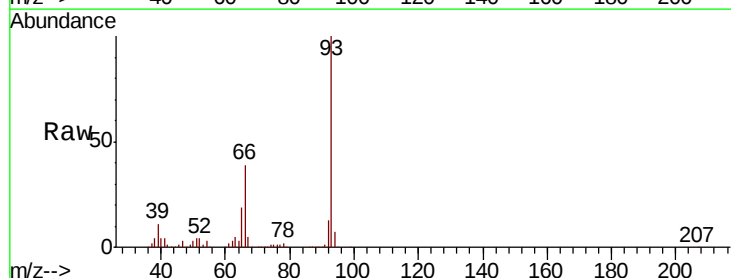
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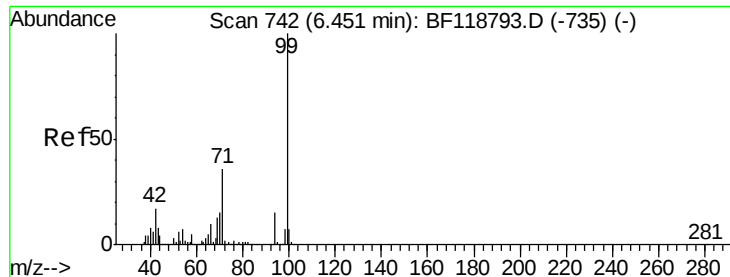
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#6
Aniline
Concen: 35.147 ng
RT: 6.47 min Scan# 746
Delta R.T. -0.01 min
Lab File: BF118811.D
Acq: 4 Feb 2020 19:49

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	805794		
66	38.6		30.8	46.2
65	18.9		15.4	23.0





#7

Phenol-d6

Concen: 42.434 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF118811.D

Acq: 4 Feb 2020 19:49

Instrument :

BNA_F

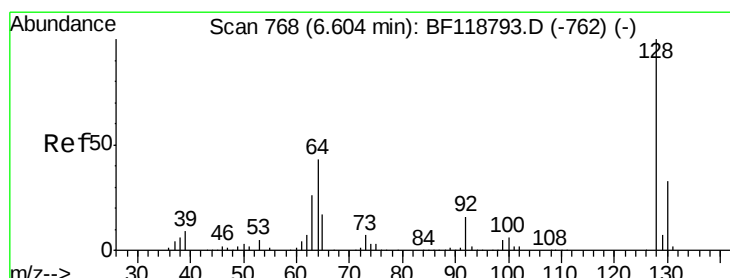
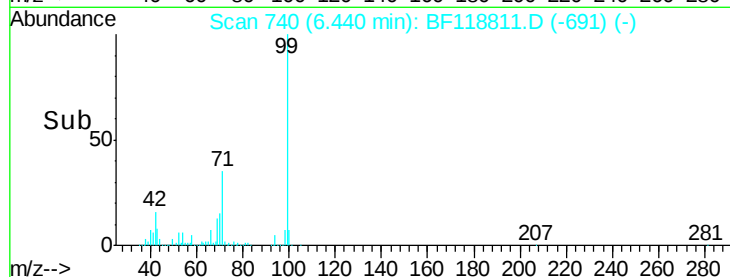
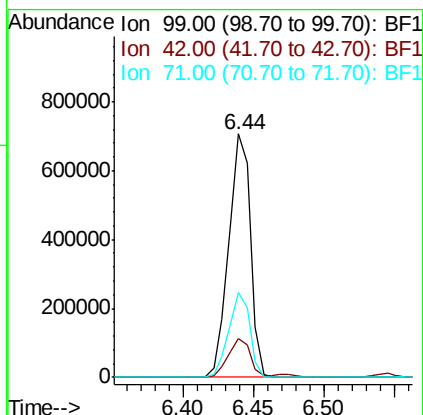
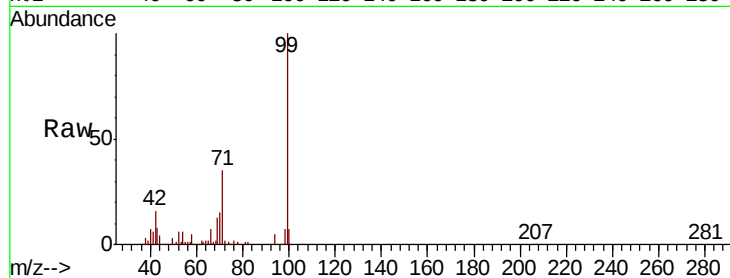
ClientSampleId :

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Tot Ion:	99	Resp:	755369
Ion Ratio	Lower	Upper	
99	100		
42	16.0	13.4	20.0
71	34.7	29.0	43.6

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#8

2-Chlorophenol

Concen: 51.402 ng

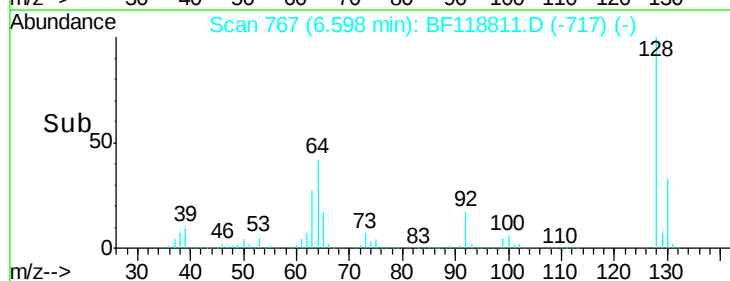
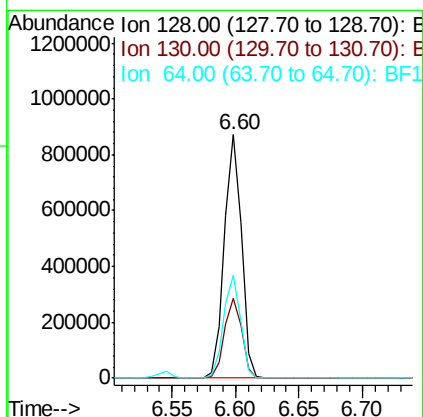
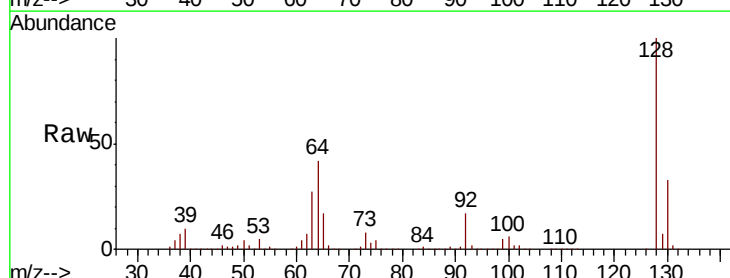
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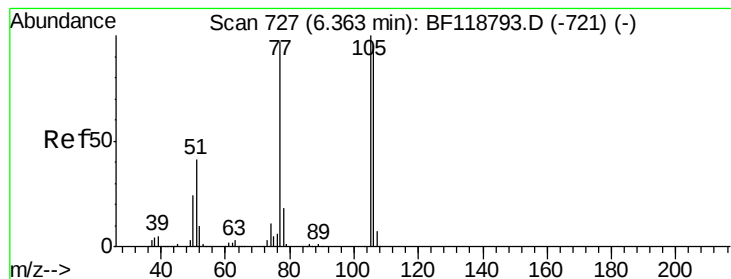
Delta R.T. -0.01 min

Lab File: BF118811.D

Acq: 4 Feb 2020 19:49

Tgt Ion:	128	Resp:	820996
Ion Ratio	Lower	Upper	
128	100		
130	32.6	13.1	53.1
64	42.0	23.0	63.0





#9

Benzaldehyde

Concen: 47.383 ng

RT: 6.36 min Scan# 726

Delta R.T. -0.01 min

Lab File: BF118811.D

Acq: 4 Feb 2020 19:49

Instrument :

BNA_F

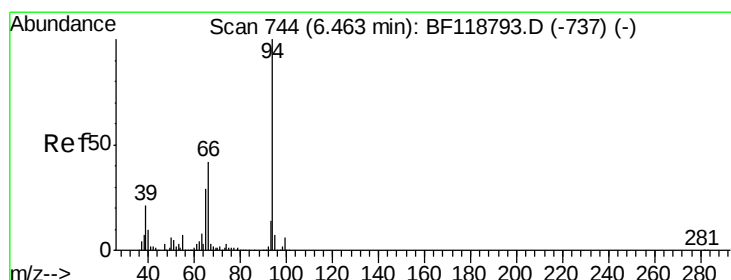
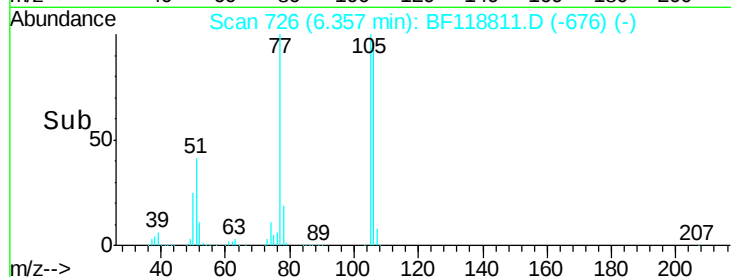
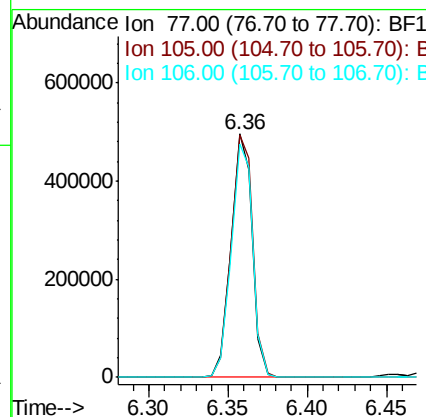
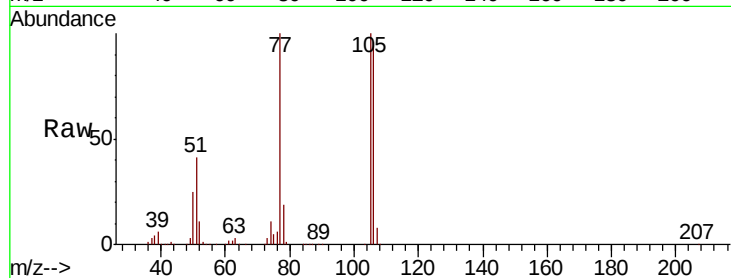
ClientSampleId :

BW-2MSD

Tot Ion:	77	Resp:	456023
Ion	Ratio	Lower	Upper
77	100		
105	99.7	82.8	122.8
106	95.6	78.1	118.1

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#10

Phenol

Concen: 26.351 ng

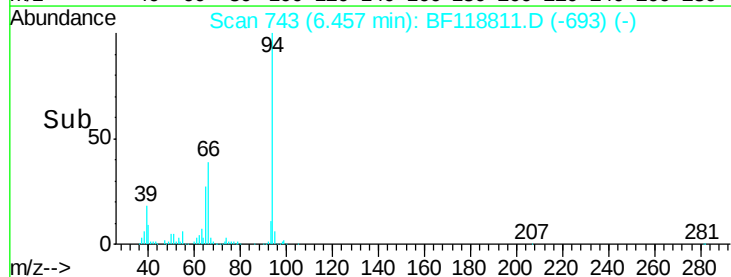
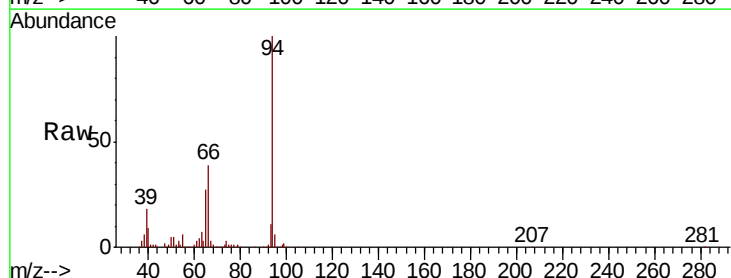
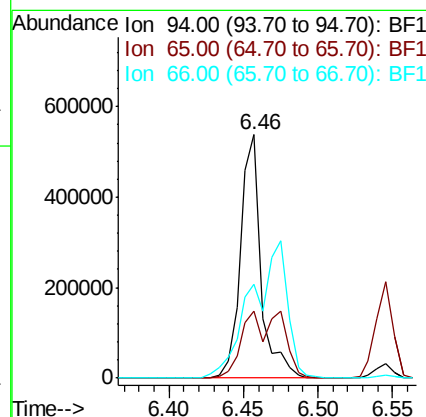
RT: 6.46 min Scan# 743

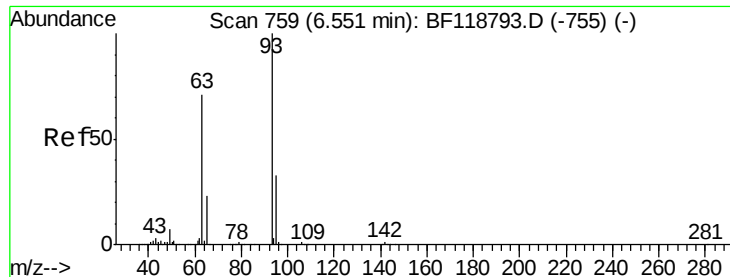
Delta R.T. -0.01 min

Lab File: BF118811.D

Acq: 4 Feb 2020 19:49

Tgt Ion:	94	Resp:	521573
Ion	Ratio	Lower	Upper
94	100		
65	27.3	9.1	49.1
66	38.5	21.7	61.7





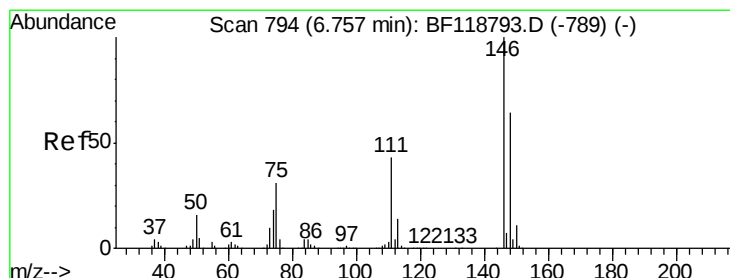
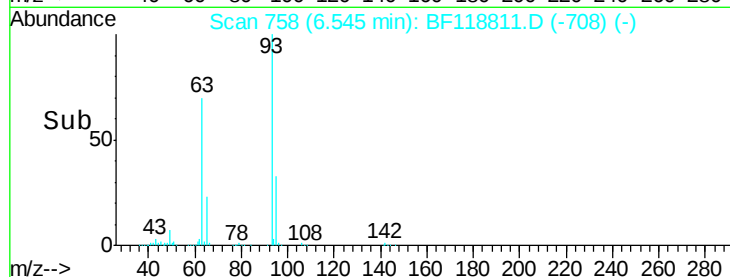
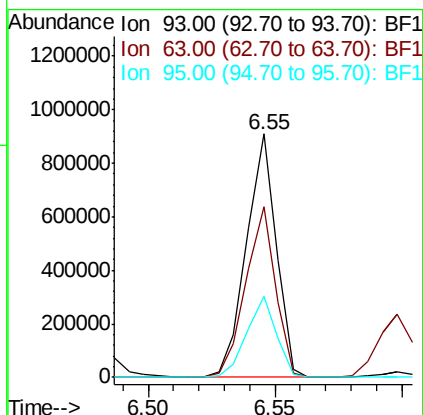
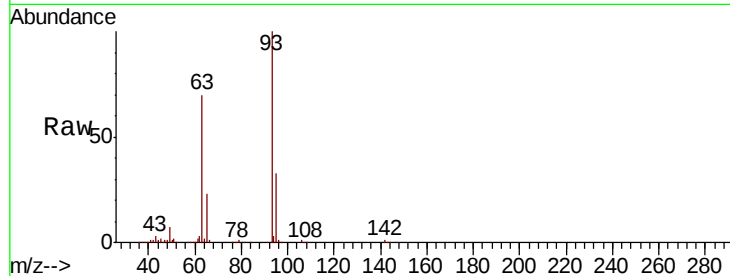
#11
bis(2-Chloroethyl)ether
Concen: 49.298 ng
RT: 6.55 min Scan# 758
Delta R.T. -0.01 min
Lab File: BF118811.D
Acq: 4 Feb 2020 19:49

Instrument :
BNA_F
ClientSampleId :
BW-2MSD

Tot Ion:	93	Resp:	746517
Ion Ratio	Lower	Upper	
93	100		
63	70.3	50.7	90.7
95	33.4	12.6	52.6

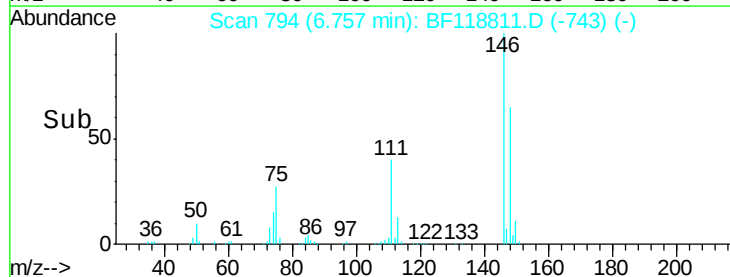
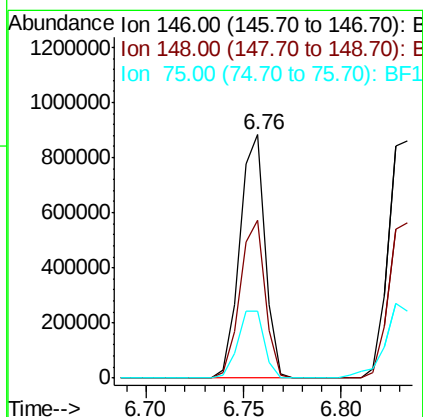
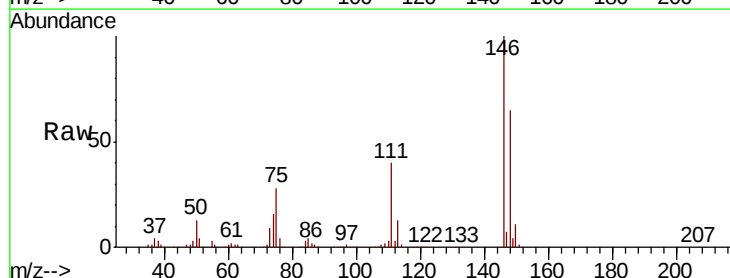
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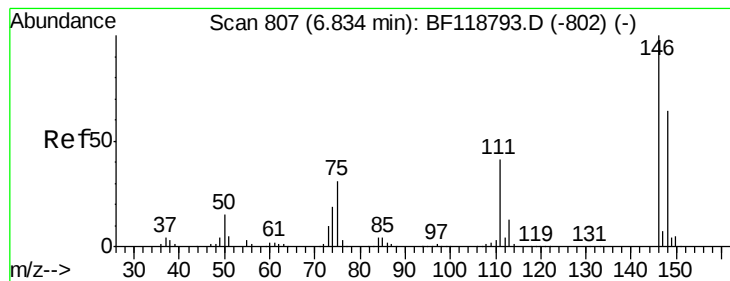
mohammad
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#12
1,3-Dichlorobenzene
Concen: 41.651 ng
RT: 6.76 min Scan# 794
Delta R.T. 0.00 min
Lab File: BF118811.D
Acq: 4 Feb 2020 19:49

Tgt Ion:	146	Resp:	791870
Ion Ratio	Lower	Upper	
146	100		
148	64.9	51.1	76.7
75	27.5	25.0	37.4





#13

1,4-Dichlorobenzene

Concen: 42.506 ng

RT: 6.83 min Scan# 807

Delta R.T. 0.00 min

Lab File: BF118811.D

Acq: 4 Feb 2020 19:49

Instrument :

BNA_F

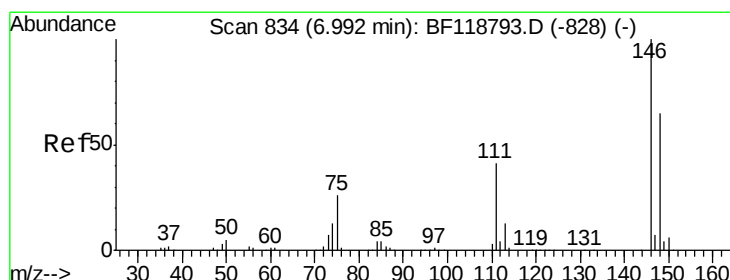
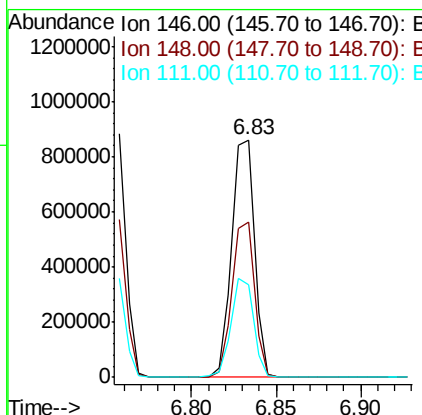
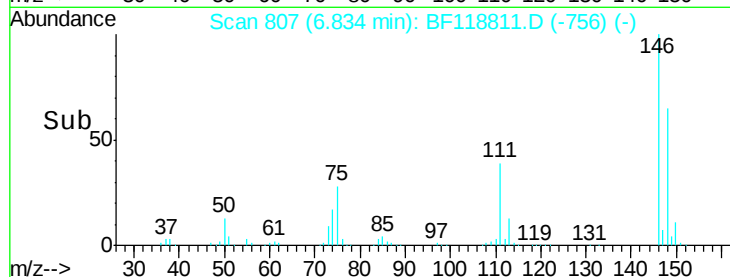
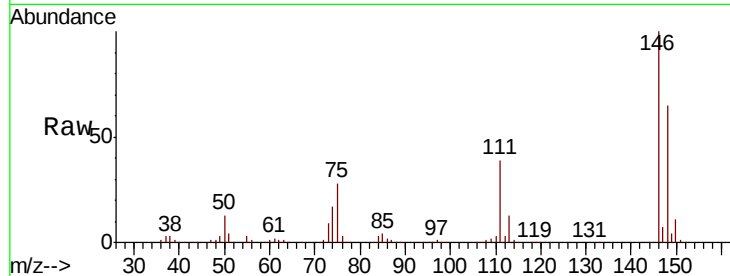
ClientSampleId :

BW-2MSD

Tot Ion:	146	Resp:	806080
Ion Ratio	Lower	Upper	
146	100		
148	65.4	51.6	77.4
111	39.0	32.9	49.3

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#14

1,2-Dichlorobenzene

Concen: 41.305 ng

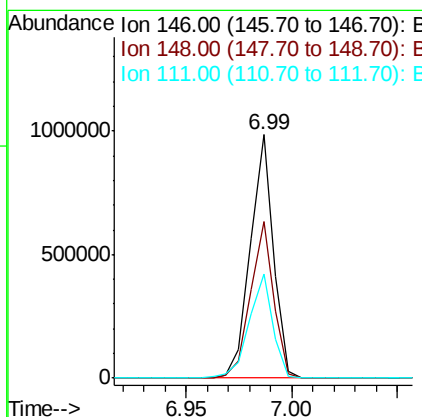
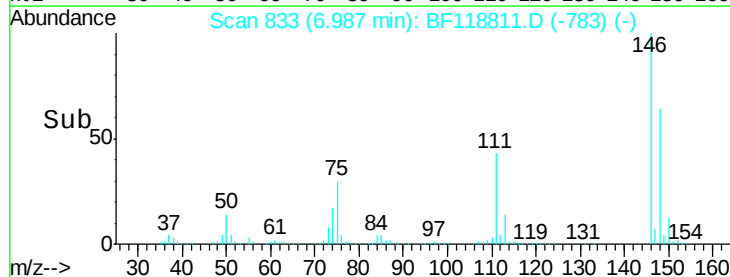
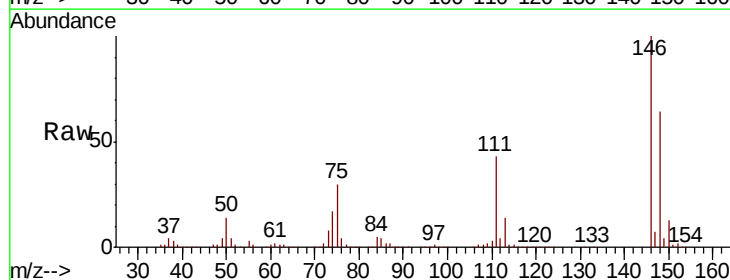
RT: 6.99 min Scan# 833

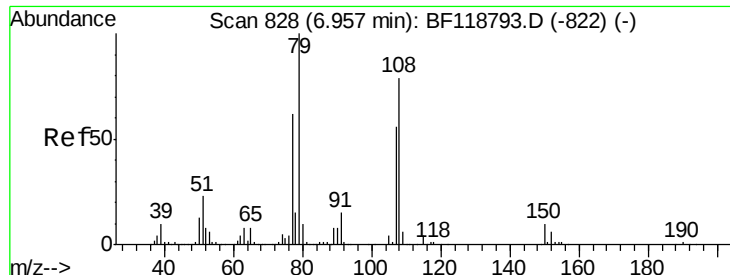
Delta R.T. -0.01 min

Lab File: BF118811.D

Acq: 4 Feb 2020 19:49

Tgt Ion:	146	Resp:	748257
Ion Ratio	Lower	Upper	
146	100		
148	64.5	51.6	77.4
111	42.5	32.7	49.1





#15

Benzyl Alcohol

Concen: 43.713 ng

RT: 6.95 min Scan# 827

Delta R.T. -0.01 min

Lab File: BF118811.D

Acq: 4 Feb 2020 19:49

Instrument :

BNA_F

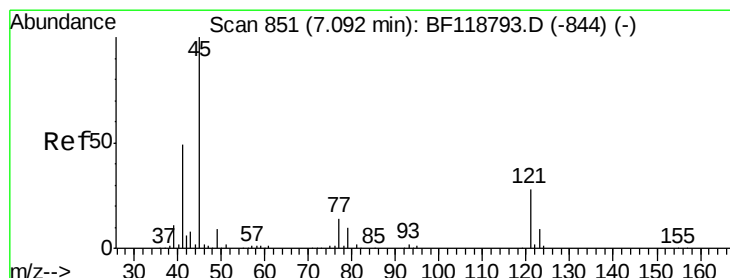
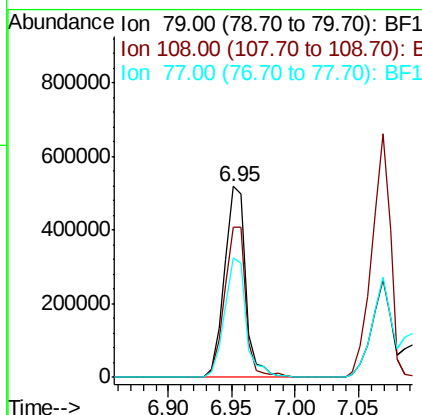
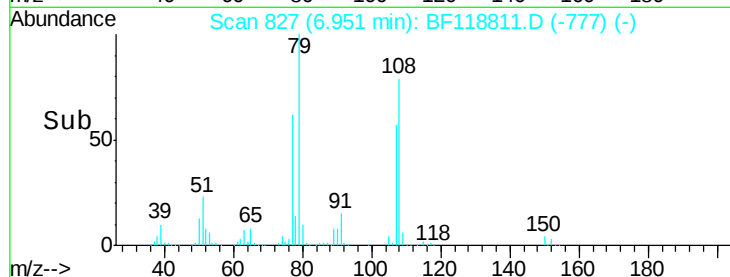
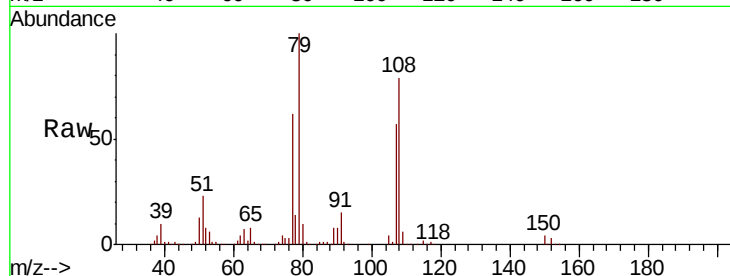
ClientSampleId :

BW-2MSD

Tot Ion:	79	Resp:	601465
Ion	Ratio	Lower	Upper
79	100		
108	78.5	62.9	94.3
77	62.5	50.0	75.0

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#16

2,2'-oxybis(1-chloropropane)

Concen: 46.721 ng

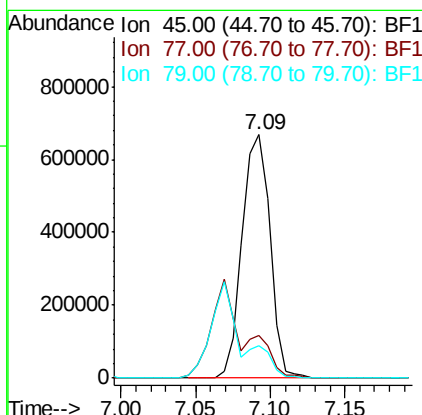
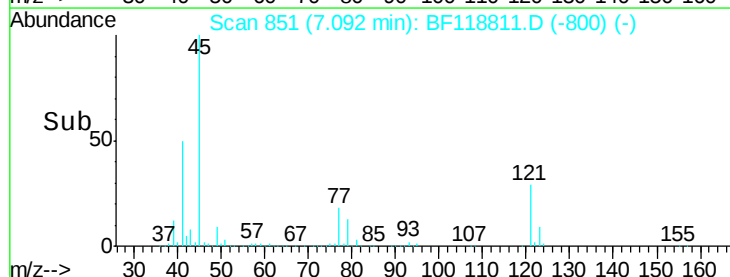
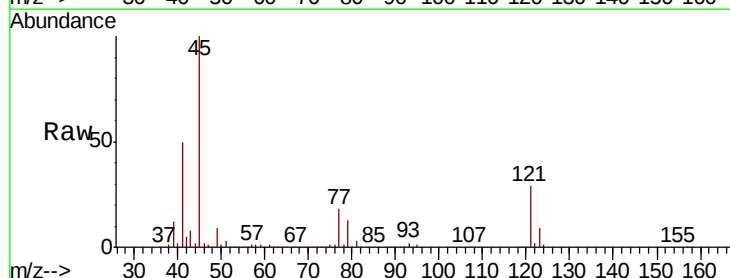
RT: 7.09 min Scan# 851

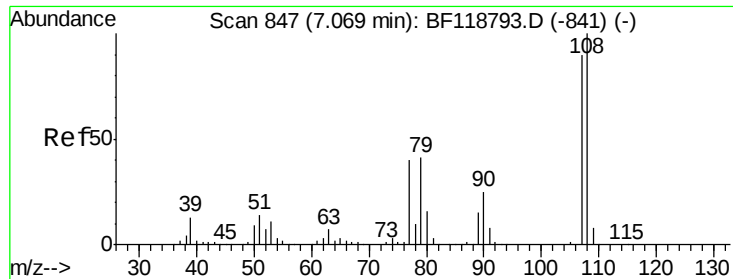
Delta R.T. -0.00 min

Lab File: BF118811.D

Acq: 4 Feb 2020 19:49

Tgt Ion:	45	Resp:	866412
Ion	Ratio	Lower	Upper
45	100		
77	17.7	0.0	37.1
79	13.3	0.0	33.1





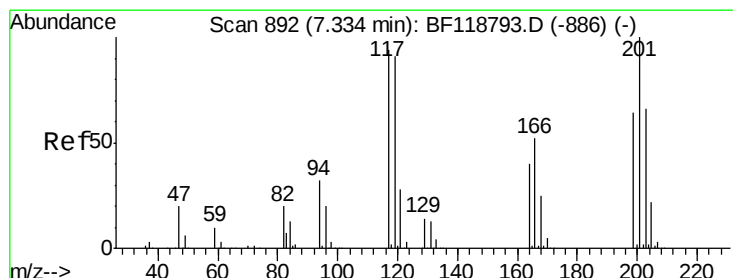
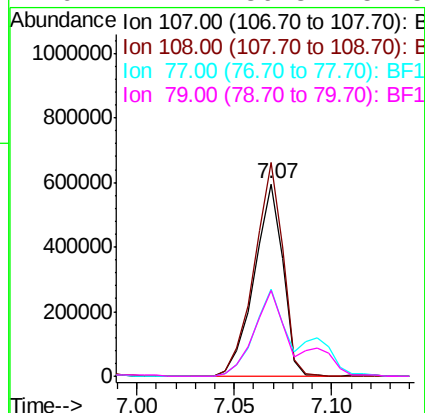
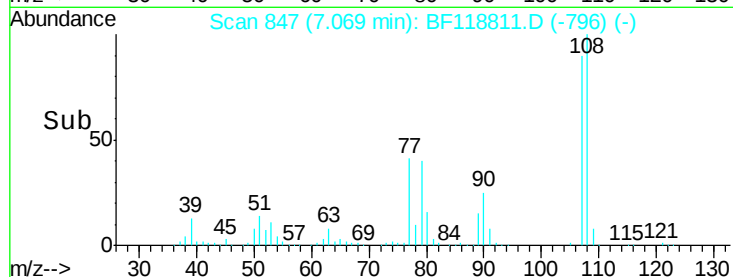
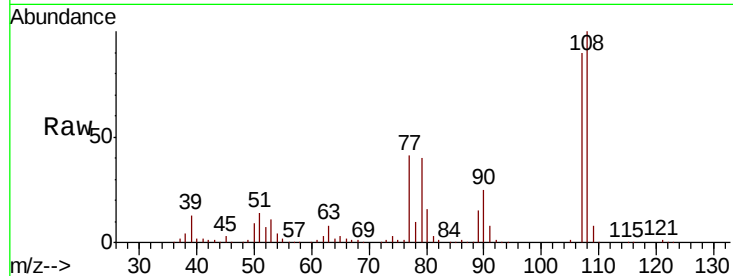
#17
2-Methylphenol
Concen: 45.611 ng
RT: 7.07 min Scan# 847
Delta R.T. 0.00 min
Lab File: BF118811.D
Acq: 4 Feb 2020 19:49

Instrument :
BNA_F
ClientSampleId :
BW-2MSD

Tot Ion	Ratio	Lower	Upper
107	100		
108	111.0	89.3	133.9
77	45.4	36.2	54.2
79	44.4	36.3	54.5

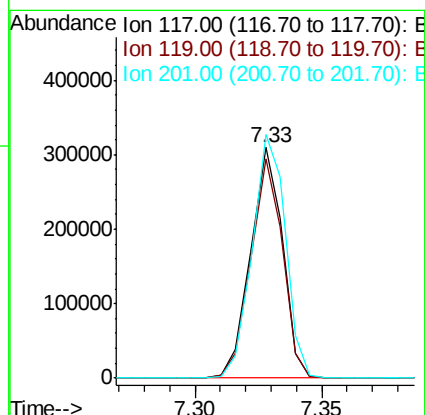
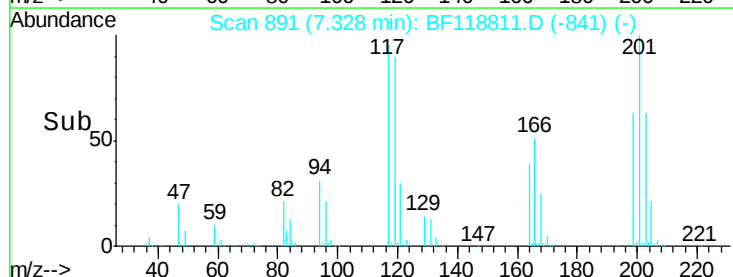
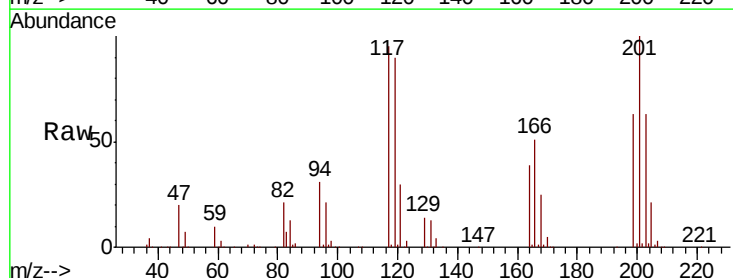
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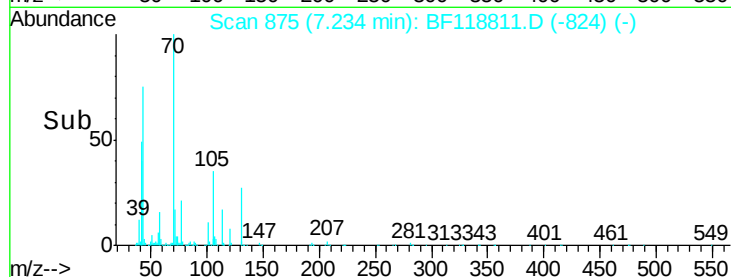
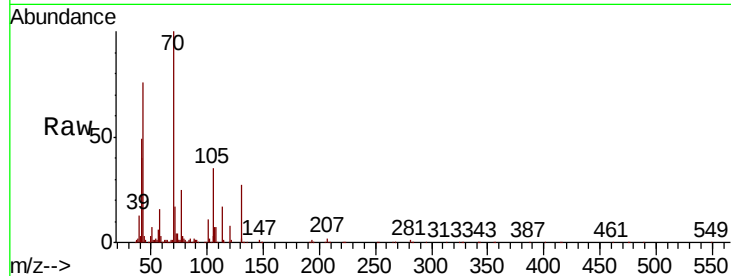
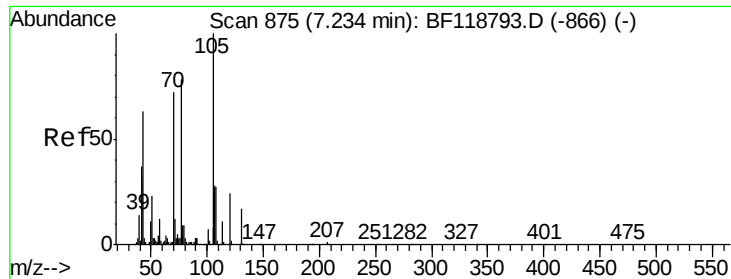
mohammad
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#18
Hexachloroethane
Concen: 39.976 ng
RT: 7.33 min Scan# 891
Delta R.T. -0.01 min
Lab File: BF118811.D
Acq: 4 Feb 2020 19:49

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.2	77.4	116.0
201	105.7	85.1	127.7





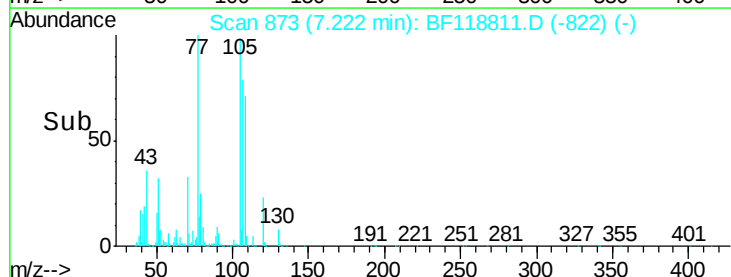
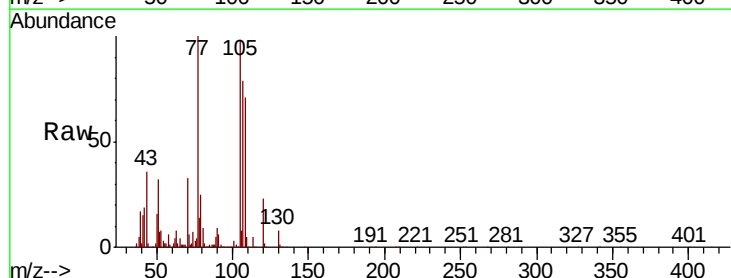
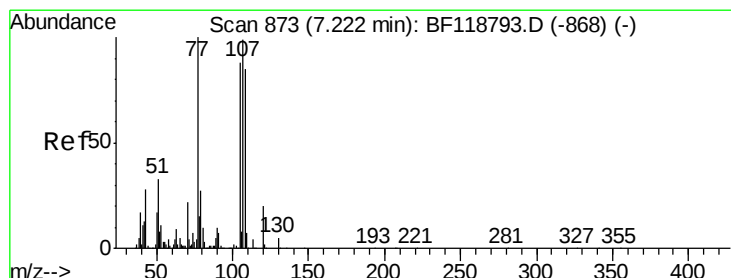
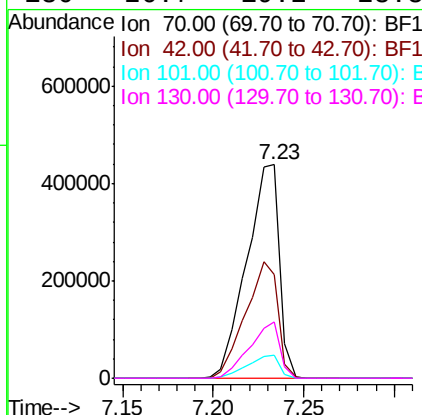
#19
n-Nitroso-di-n-propylamine
Concen: 50.591 ng
RT: 7.23 min Scan# 875
Delta R.T. 0.00 min
Lab File: BF118811.D
Acq: 4 Feb 2020 19:49

Instrument :
BNA_F
ClientSampleId :
BW-2MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	48.7	41.5	62.3
101	10.7	8.3	12.5
130	26.7	19.2	28.8

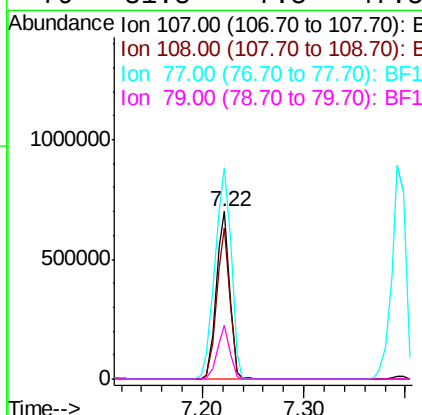
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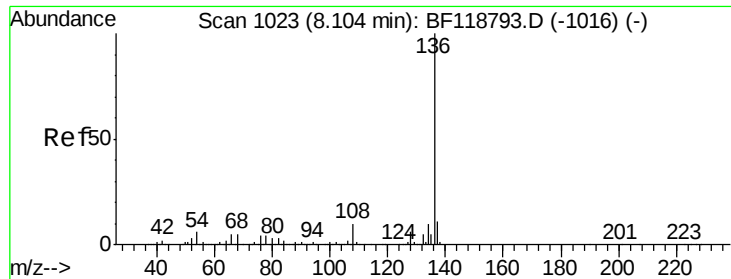
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#20
3+4-Methylphenols
Concen: 38.571 ng
RT: 7.22 min Scan# 873
Delta R.T. 0.00 min
Lab File: BF118811.D
Acq: 4 Feb 2020 19:49

Tgt Ion	Ratio	Lower	Upper
107	100		
108	90.3	65.9	105.9
77	126.5	80.9	120.9#
79	31.8	7.5	47.5





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.10 min Scan# 1022

Delta R.T. -0.01 min

Lab File: BF118811.D

Acq: 4 Feb 2020 19:49

Instrument :

BNA_F

ClientSampleId :

BW-2MSD

Tot Ion:136 Resp: 1026288

Ion Ratio Lower Upper

136 100

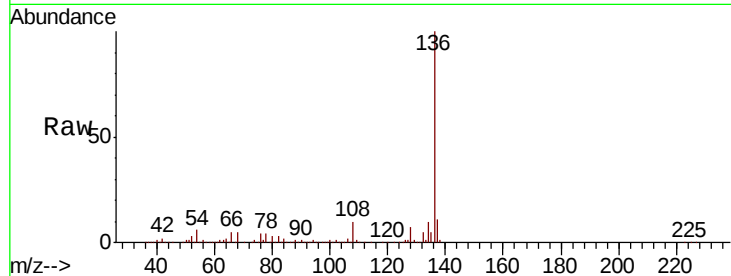
137 10.9 8.7 13.1

54 6.0 5.0 7.6

68 5.4 4.2 6.4

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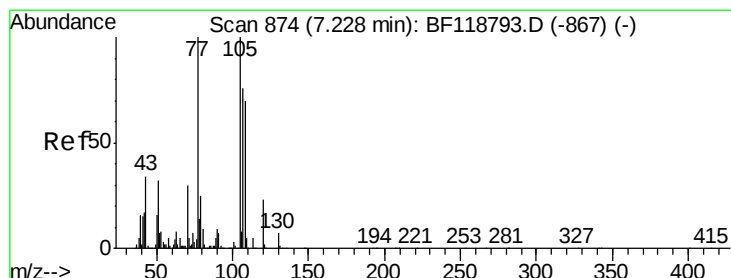
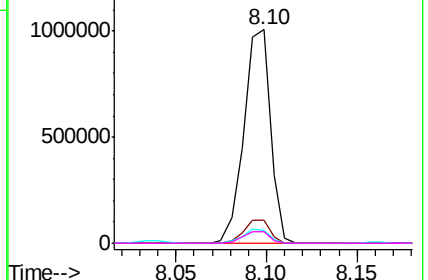
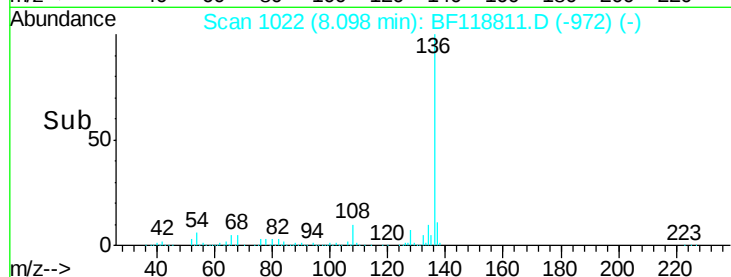


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#22

Acetophenone

Concen: 47.341 ng

RT: 7.22 min Scan# 873

Delta R.T. -0.01 min

Lab File: BF118811.D

Acq: 4 Feb 2020 19:49

Tgt Ion:105 Resp: 1055574

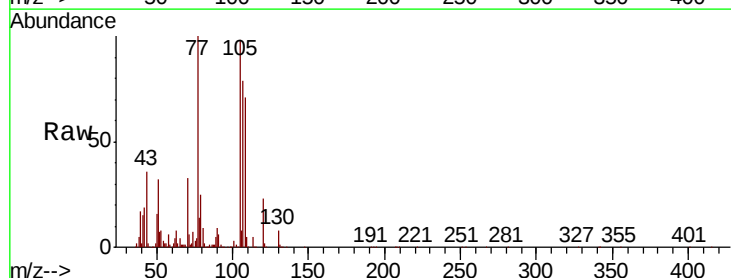
Ion Ratio Lower Upper

105 100

71 5.6 4.2 6.4

51 32.7 25.5 38.3

120 23.5 18.6 28.0

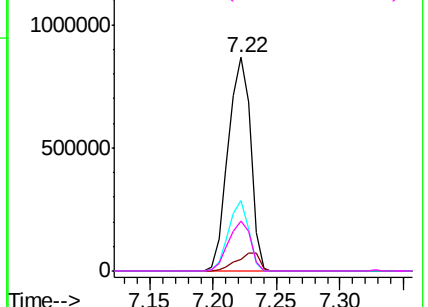
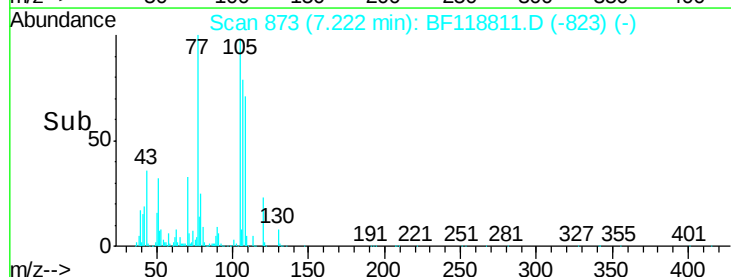


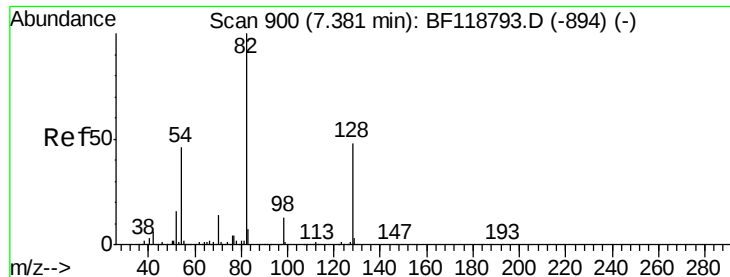
Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF1

Ion 51.00 (50.70 to 51.70): BF1

Ion 120.00 (119.70 to 120.70): E





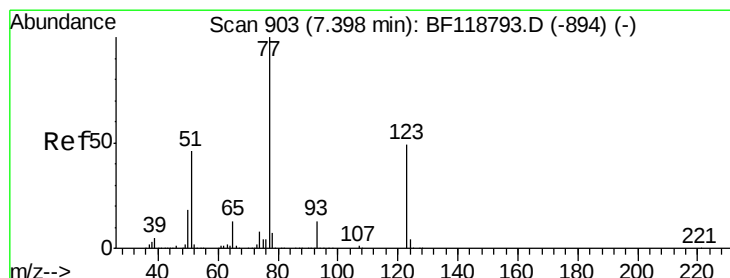
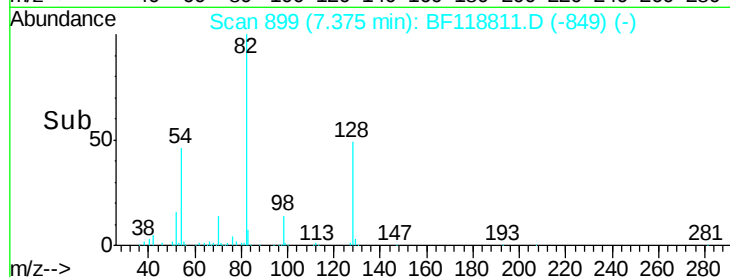
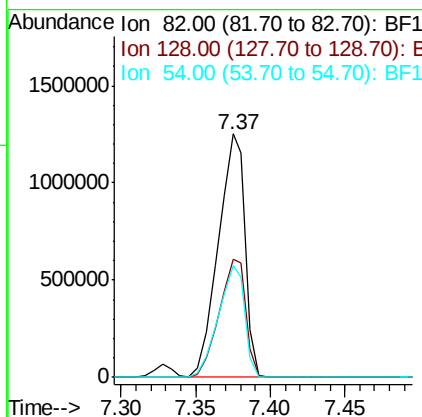
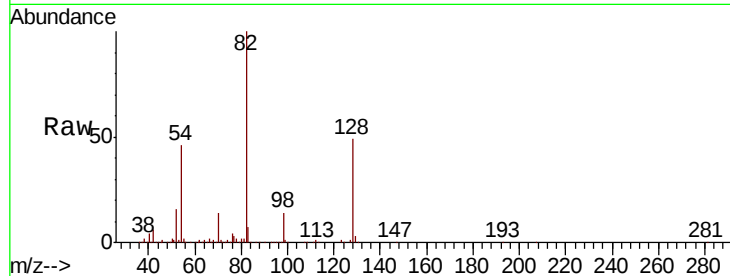
#23
Nitrobenzene-d5
Concen: 91.310 ng
RT: 7.37 min Scan# 899
Delta R.T. -0.01 min
Lab File: BF118811.D
Acq: 4 Feb 2020 19:49

Instrument :
BNA_F
ClientSampleId :
BW-2MSD

Tot Ion	82	Resp	1572184
Ion	Ratio	Lower	Upper
82	100		
128	48.7	38.5	57.7
54	45.7	36.7	55.1

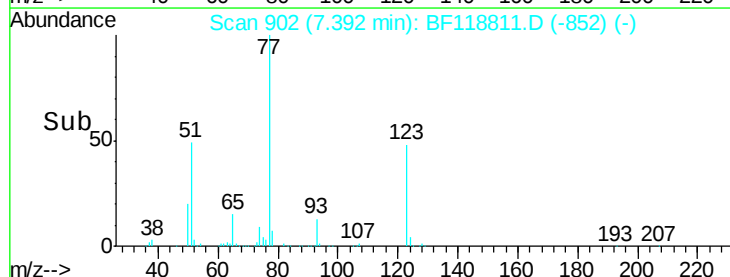
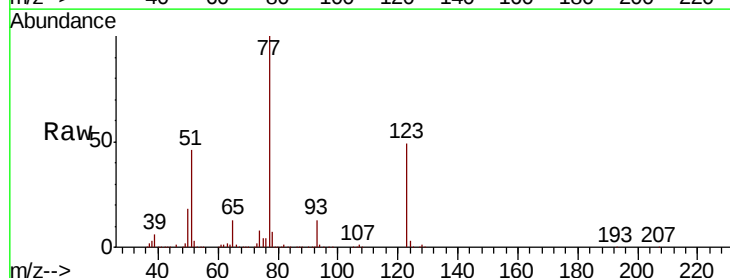
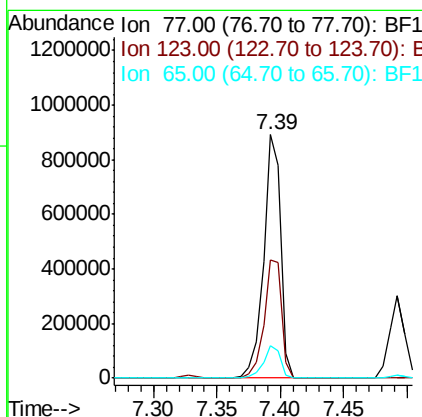
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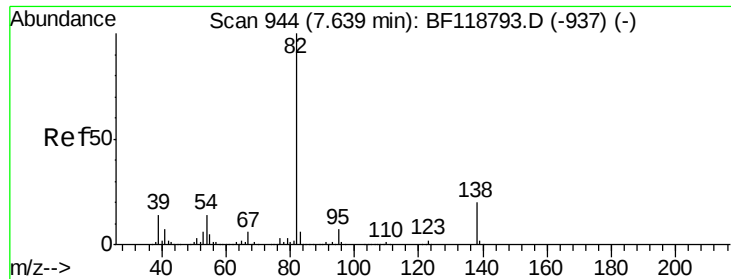
mohammad
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#24
Nitrobenzene
Concen: 48.816 ng
RT: 7.39 min Scan# 902
Delta R.T. -0.01 min
Lab File: BF118811.D
Acq: 4 Feb 2020 19:49

Tgt Ion	77	Resp	839682
Ion	Ratio	Lower	Upper
77	100		
123	48.8	39.0	58.4
65	13.4	10.6	15.8





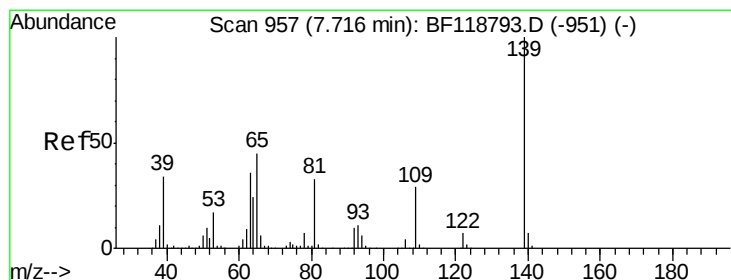
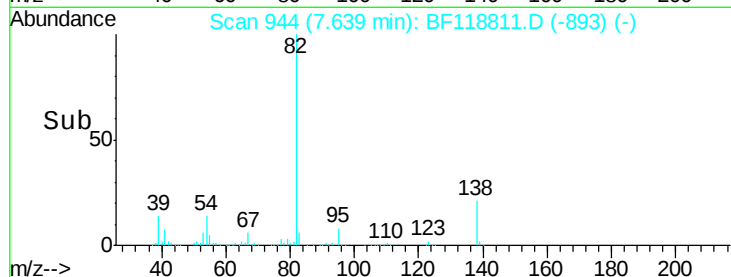
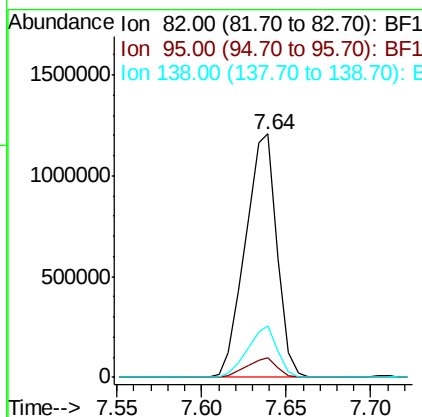
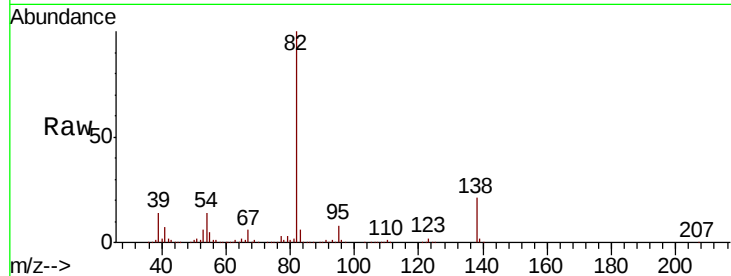
#25
Isophorone
Concen: 50.815 ng
RT: 7.64 min Scan# 944
Delta R.T. 0.00 min
Lab File: BF118811.D
Acq: 4 Feb 2020 19:49

Instrument :
BNA_F
ClientSampleId :
BW-2MSD

Tot Ion: 82 Resp: 1572467
Ion Ratio Lower Upper
82 100
95 7.8 6.0 9.0
138 21.0 15.7 23.5

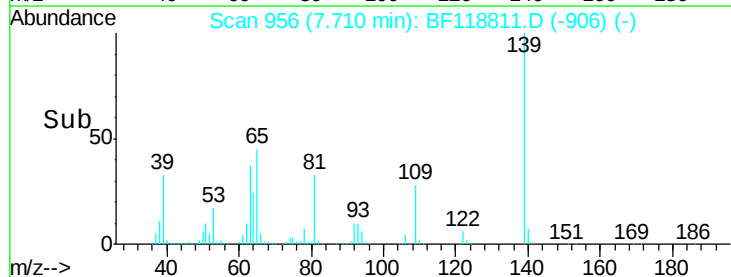
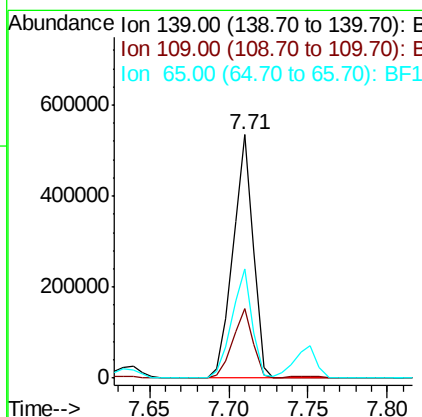
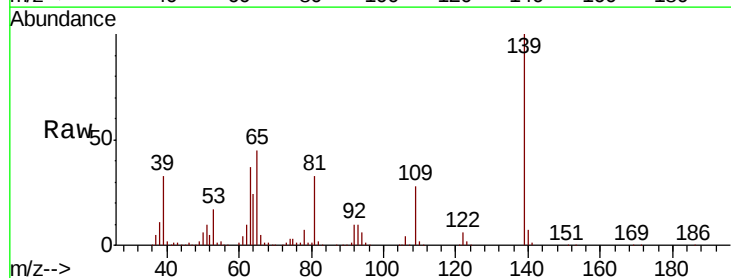
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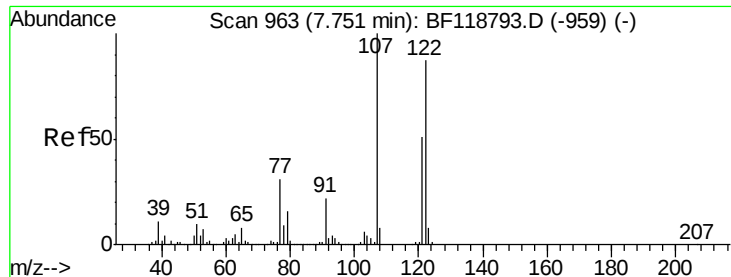
mohammad
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#26
2-Nitrophenol
Concen: 51.601 ng
RT: 7.71 min Scan# 956
Delta R.T. -0.01 min
Lab File: BF118811.D
Acq: 4 Feb 2020 19:49

Tgt Ion: 139 Resp: 472958
Ion Ratio Lower Upper
139 100
109 28.4 23.4 35.0
65 44.8 36.2 54.2





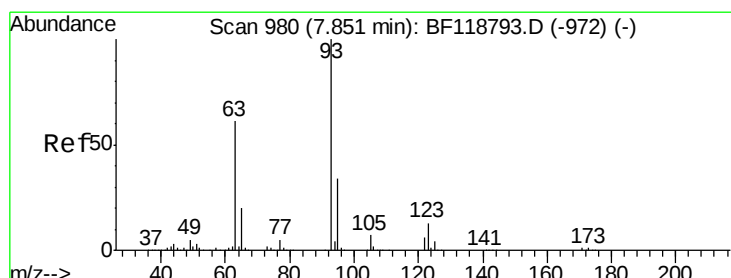
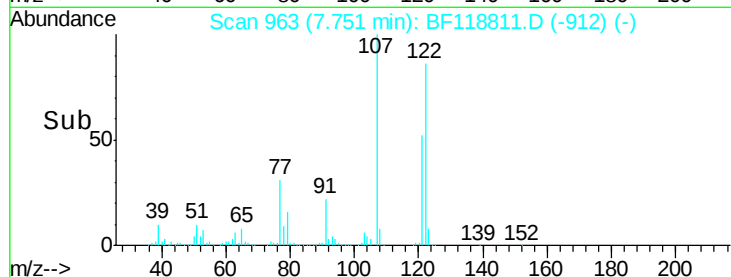
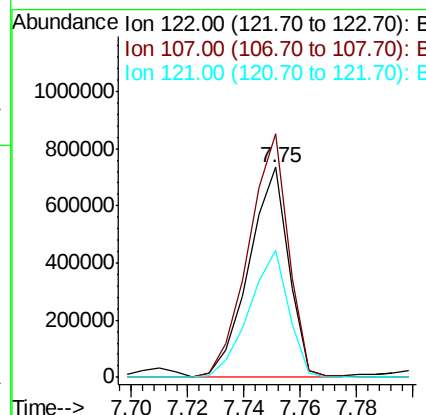
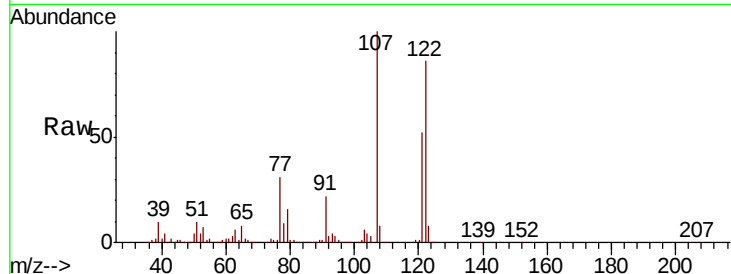
#27
 2,4-Dimethylphenol
 Concen: 57.825 ng
 RT: 7.75 min Scan# 963
 Delta R.T. -0.00 min
 Lab File: BF118811.D
 Acq: 4 Feb 2020 19:49

Instrument :
 BNA_F
 ClientSampleId :
 BW-2MSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	116.0	92.2	138.2
121	60.3	46.8	70.2

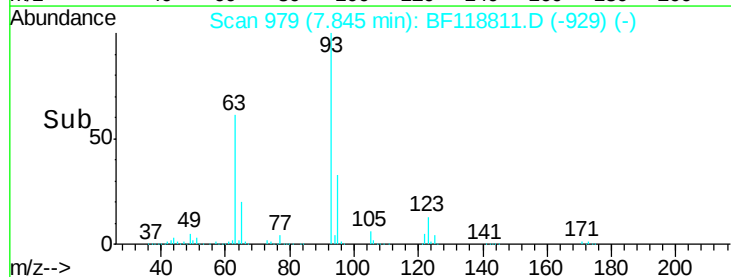
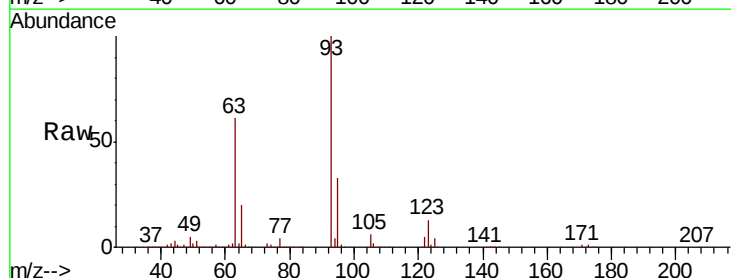
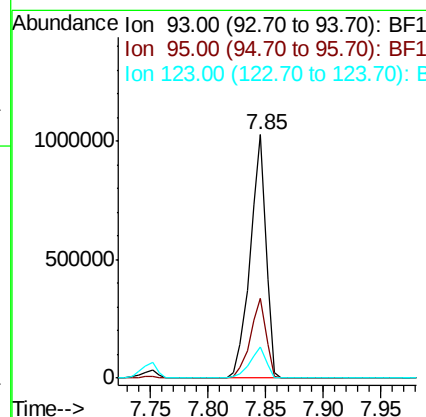
Manual Integrations
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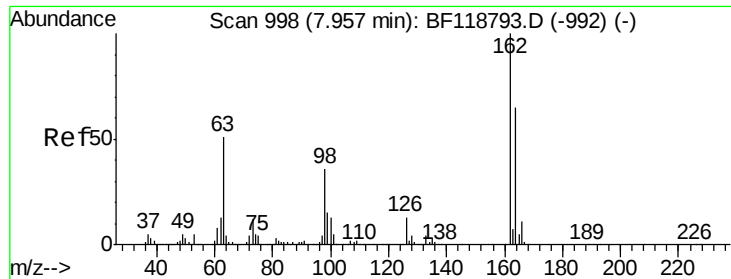
mohammad
 2/6/2020 2:17:17 PM



#28
 bis(2-Chloroethoxy)methane
 Concen: 48.258 ng
 RT: 7.85 min Scan# 979
 Delta R.T. -0.01 min
 Lab File: BF118811.D
 Acq: 4 Feb 2020 19:49

Tgt Ion	Ratio	Lower	Upper
93	100		
95	32.8	27.0	40.4
123	12.7	10.6	15.8





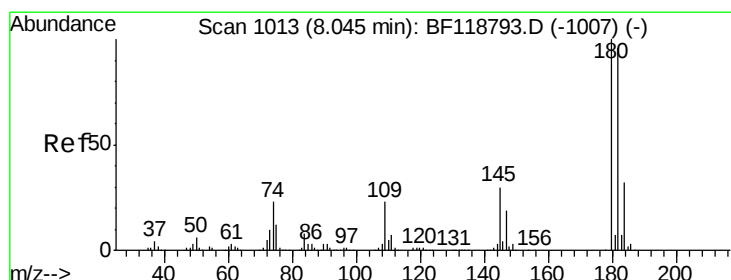
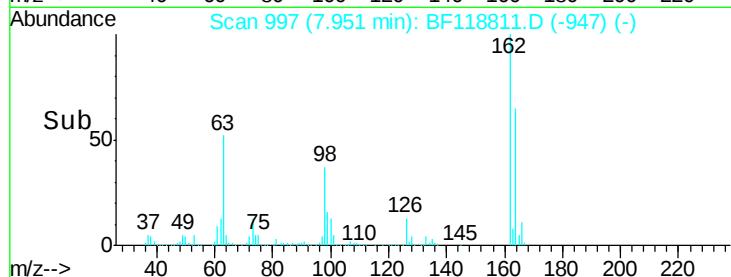
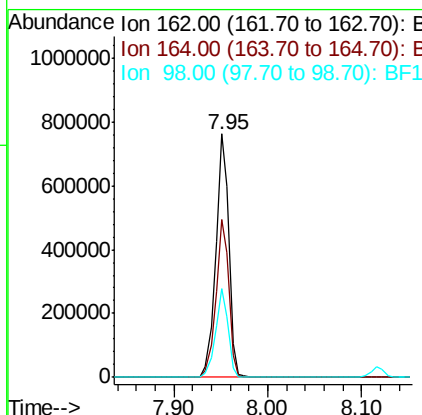
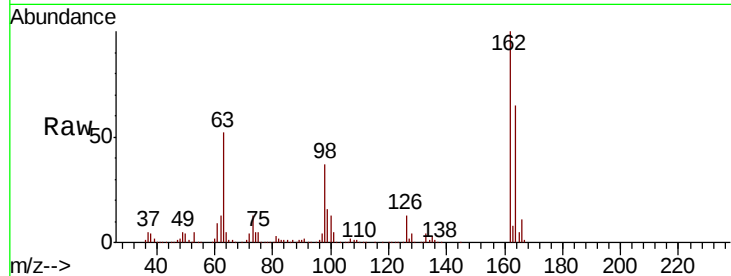
#29
2,4-Dichlorophenol
Concen: 50.047 ng
RT: 7.95 min Scan# 997
Delta R.T. -0.01 min
Lab File: BF118811.D
Acq: 4 Feb 2020 19:49

Instrument :
BNA_F
ClientSampled :
BW-2MSD

Tot Ion:	162	Resp:	746230
Ion Ratio	Lower	Upper	
162	100		
164	65.0	44.8	84.8
98	36.7	16.4	56.4

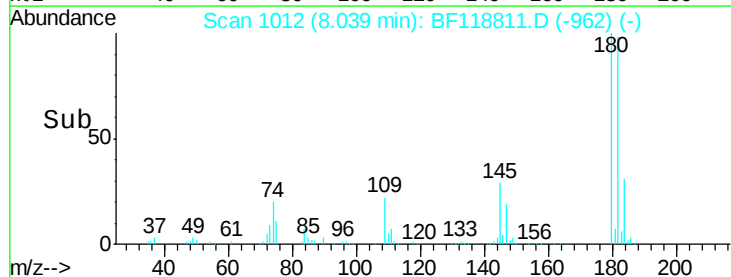
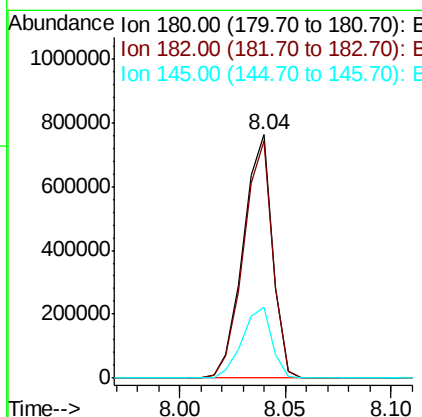
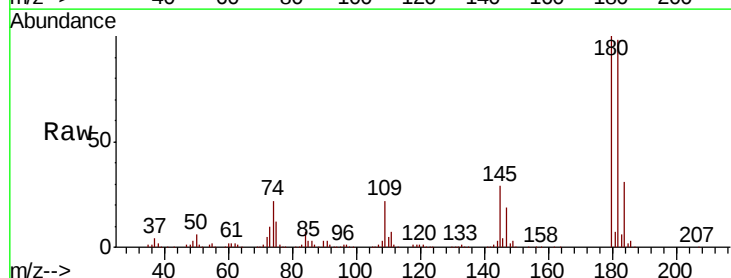
Manual Integrations
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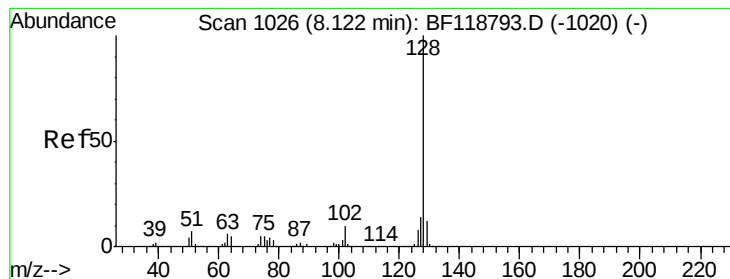
mohammad
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#30
1,2,4-Trichlorobenzene
Concen: 41.921 ng
RT: 8.04 min Scan# 1012
Delta R.T. -0.01 min
Lab File: BF118811.D
Acq: 4 Feb 2020 19:49

Tgt Ion:	180	Resp:	730611
Ion Ratio	Lower	Upper	
180	100		
182	97.5	76.6	115.0
145	29.0	24.0	36.0





#31

Naphthalene

Concen: 45.997 ng

RT: 8.12 min Scan# 1025

Delta R.T. -0.01 min

Lab File: BF118811.D

Acq: 4 Feb 2020 19:49

Instrument :

BNA_F

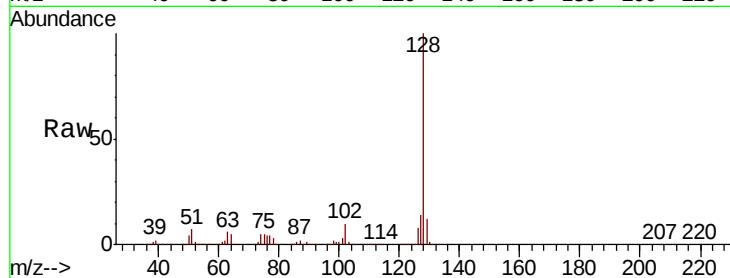
ClientSampled :

BW-2MSD

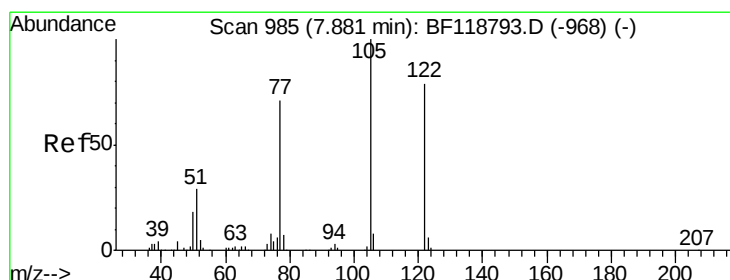
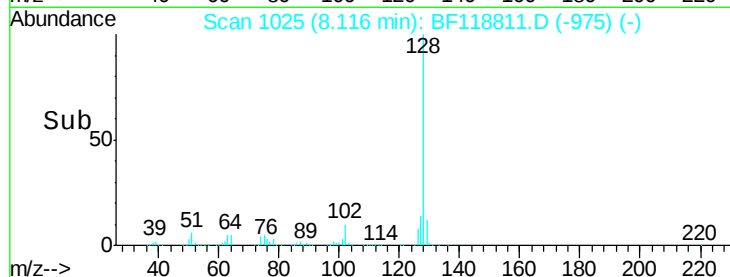
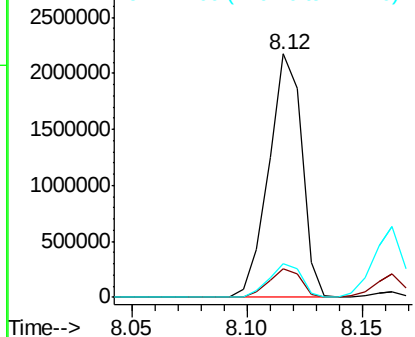
Tot Ion:	128	Resp:	2159031
Ion	Ratio	Lower	Upper
128	100		
129	11.7	9.4	14.2
127	14.0	11.3	16.9

Manual Integrations
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Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 17.006 ng

RT: 7.84 min Scan# 978

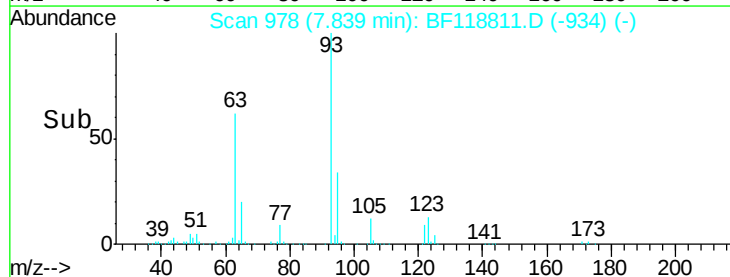
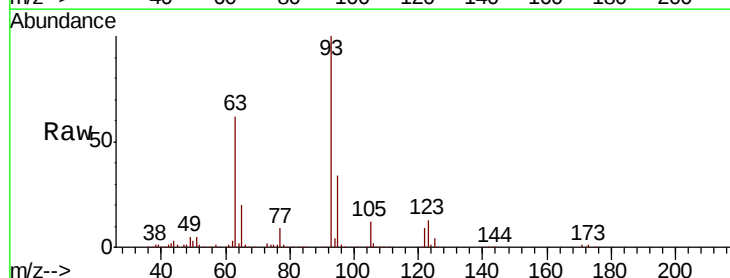
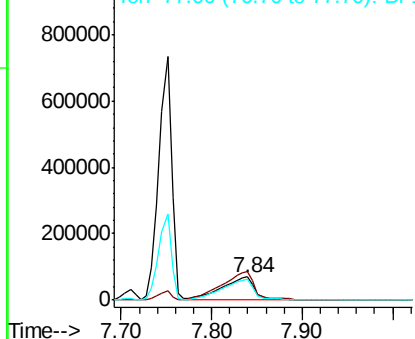
Delta R.T. -0.04 min

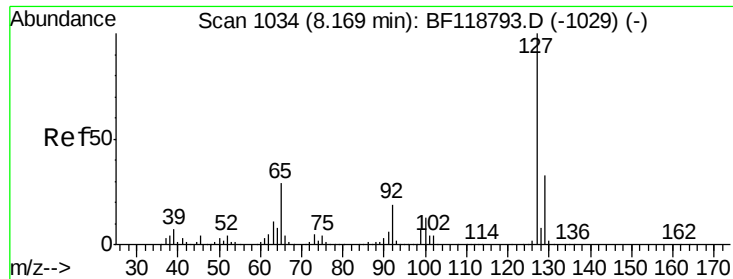
Lab File: BF118811.D

Acq: 4 Feb 2020 19:49

Tgt Ion:	122	Resp:	175305
Ion	Ratio	Lower	Upper
122	100		
105	123.8	104.4	144.4
77	92.7	69.3	109.3

Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1





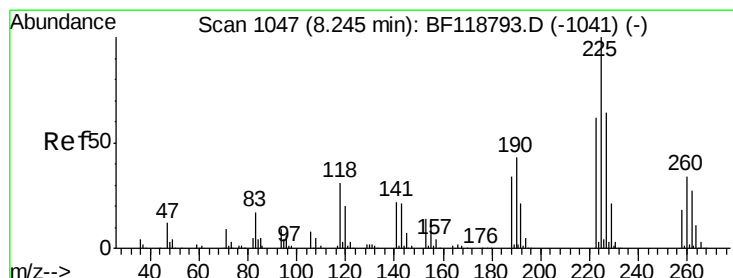
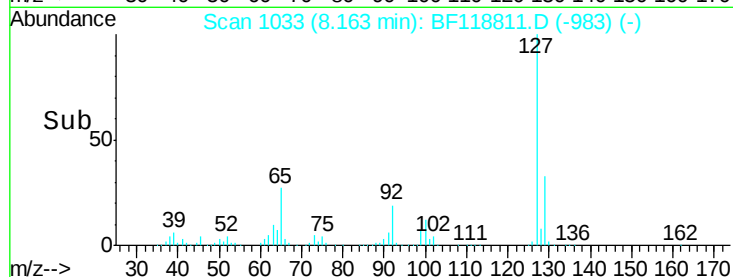
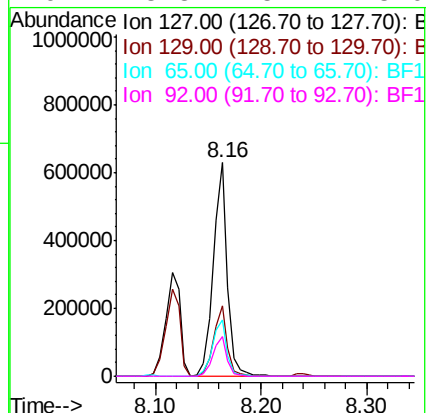
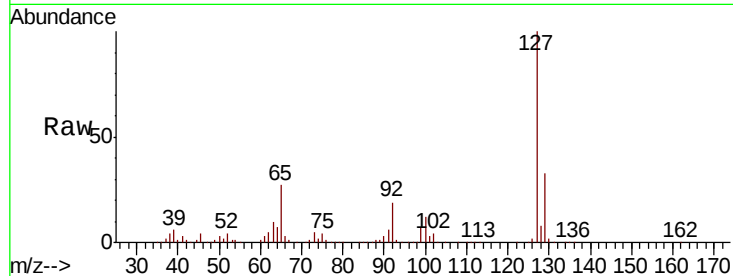
#33
4-Chloroaniline
Concen: 27.881 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF118811.D
Acq: 4 Feb 2020 19:49

Instrument :
BNA_F
ClientSampleId :
BW-2MSD

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	32.8	26.7	40.1	
65	26.7	22.9	34.3	
92	18.8	15.4	23.0	

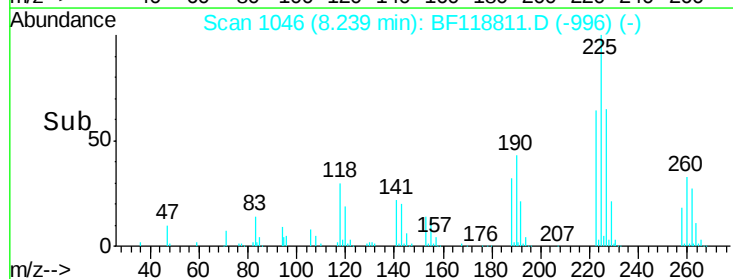
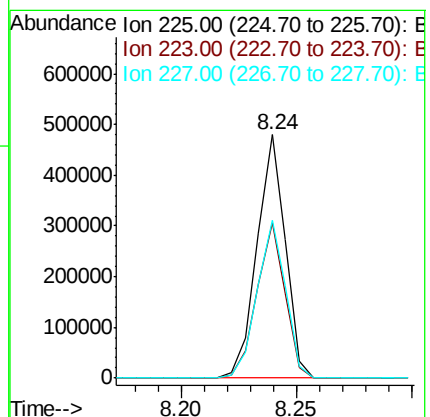
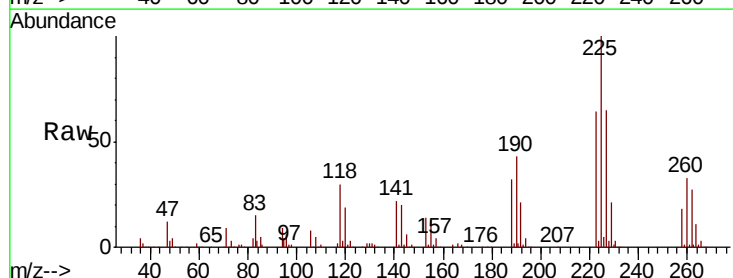
Manual Integrations
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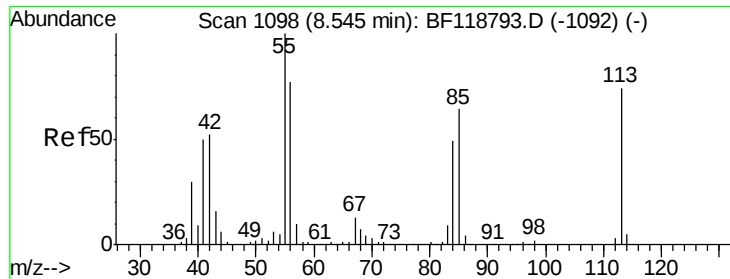
mohammad
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#34
Hexachlorobutadiene
Concen: 38.470 ng
RT: 8.24 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BF118811.D
Acq: 4 Feb 2020 19:49

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.8	49.8	74.8	
227	65.1	51.0	76.4	





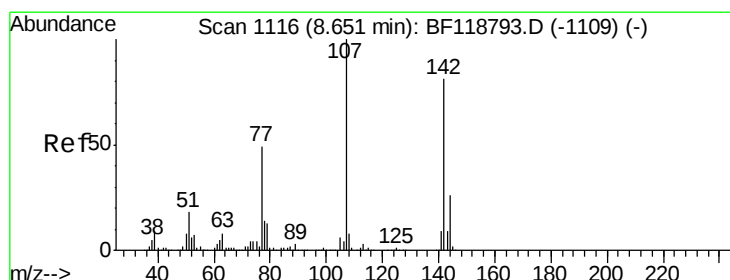
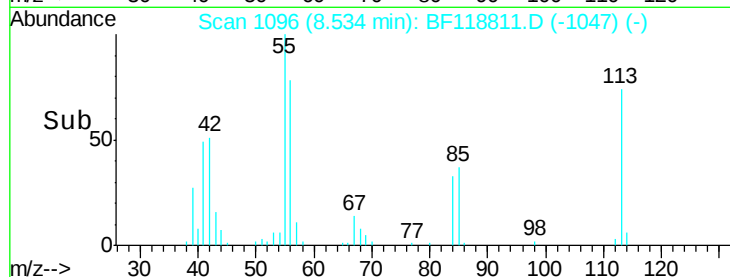
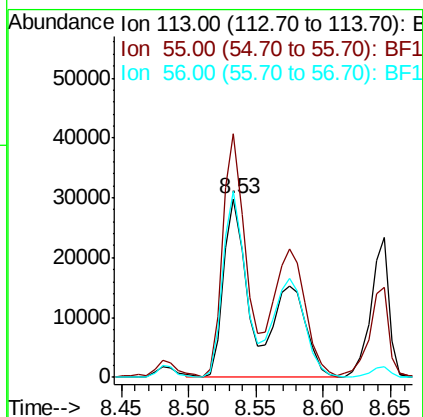
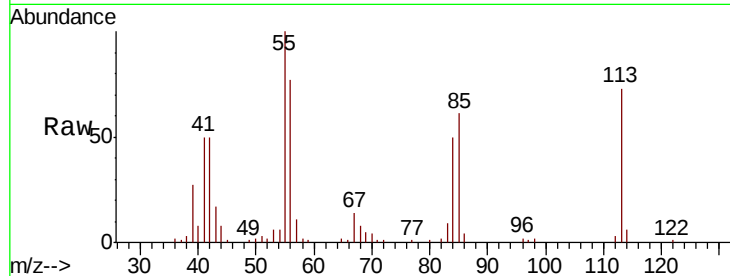
#35
Caprolactam
Concen: 12.303 ng/ml
RT: 8.53 min Scan# 1096
Delta R.T. -0.01 min
Lab File: BF118811.D
Acq: 4 Feb 2020 19:49

Instrument :
BNA_F
ClientSampleId :
BW-2MSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	136.1	115.5	155.5
56	104.4	83.7	123.7

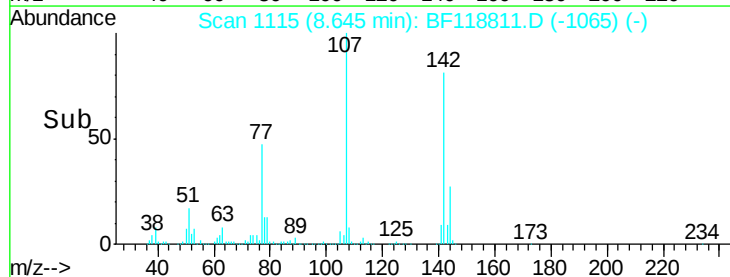
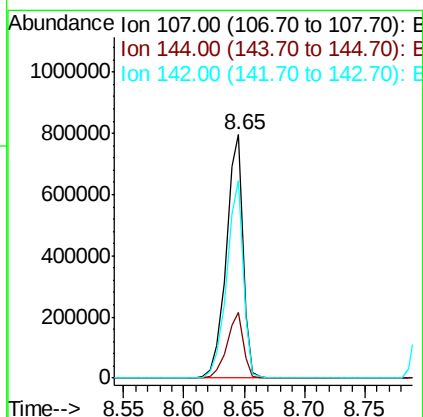
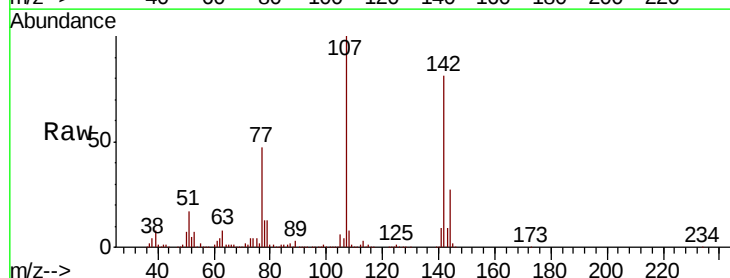
Manual Integrations
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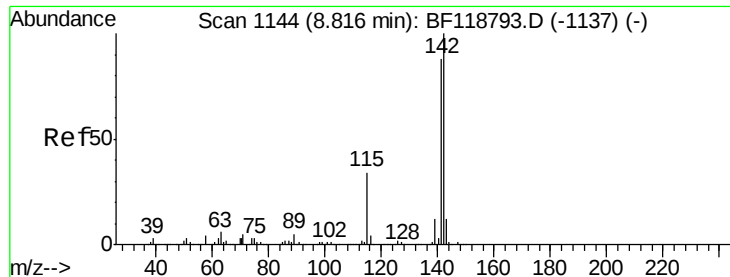
mohammad
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#36
4-Chloro-3-methylphenol
Concen: 51.334 ng/ml
RT: 8.65 min Scan# 1115
Delta R.T. -0.01 min
Lab File: BF118811.D
Acq: 4 Feb 2020 19:49

Tgt Ion	Ratio	Lower	Upper
107	100		
144	26.8	21.0	31.6
142	81.2	64.8	97.2





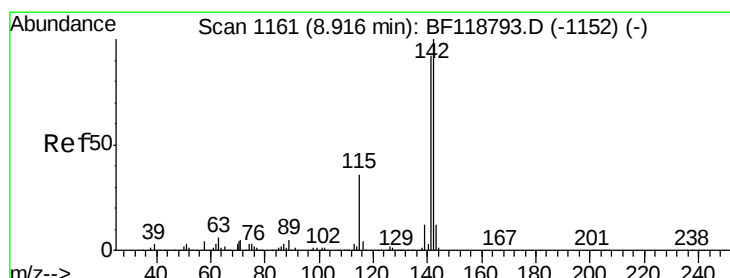
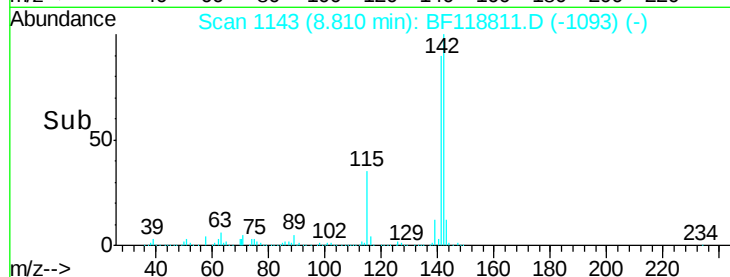
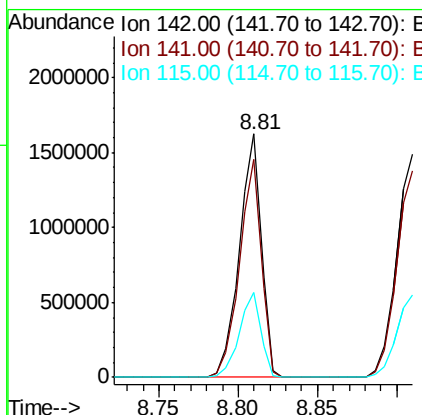
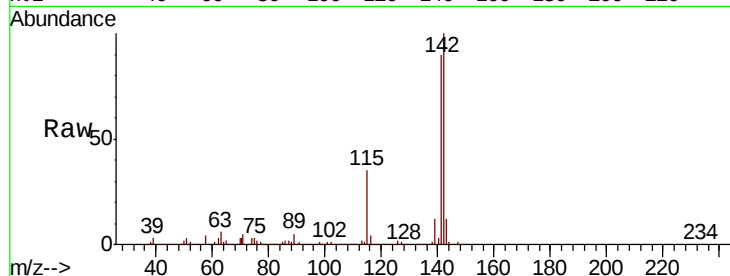
#37
2-Methylnaphthalene
Concen: 47.719 ng
RT: 8.81 min Scan# 1143
Delta R.T. -0.01 min
Lab File: BF118811.D
Acq: 4 Feb 2020 19:49

Instrument :
BNA_F
ClientSampleId :
BW-2MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	89.6	70.1	105.1
115	34.8	27.3	40.9

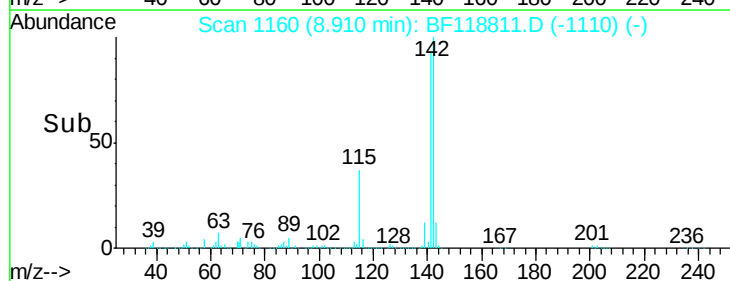
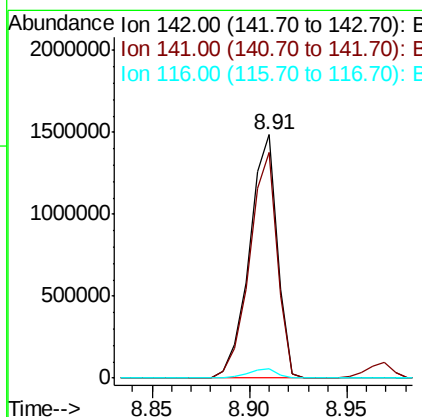
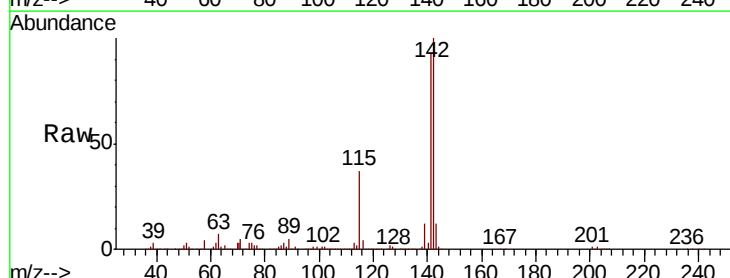
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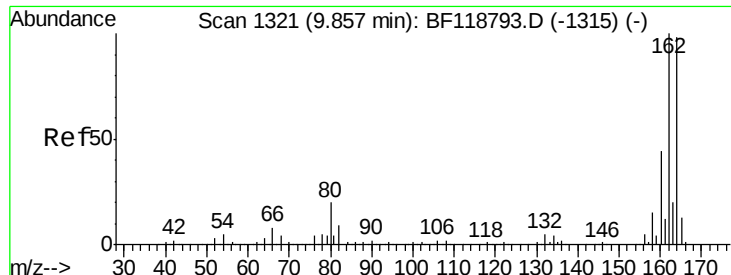
mohammad
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#38
1-Methylnaphthalene
Concen: 47.841 ng
RT: 8.91 min Scan# 1160
Delta R.T. -0.01 min
Lab File: BF118811.D
Acq: 4 Feb 2020 19:49

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.9	73.8	110.6
116	3.9	3.0	4.4





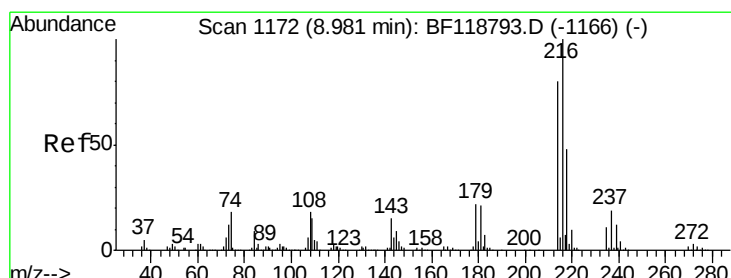
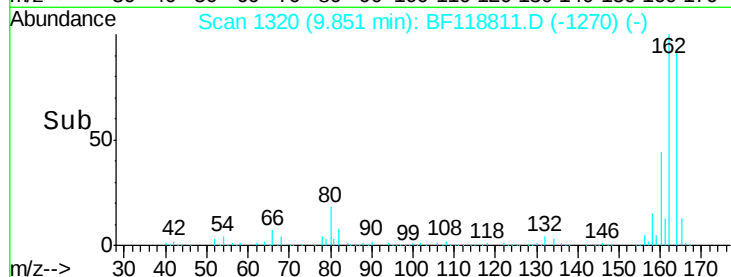
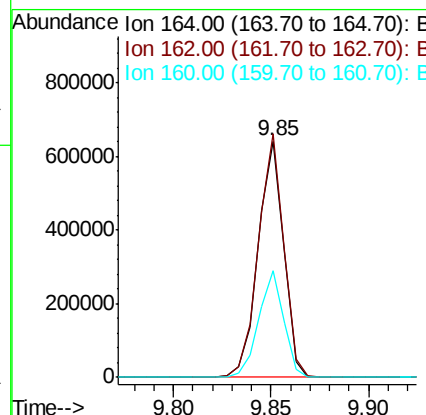
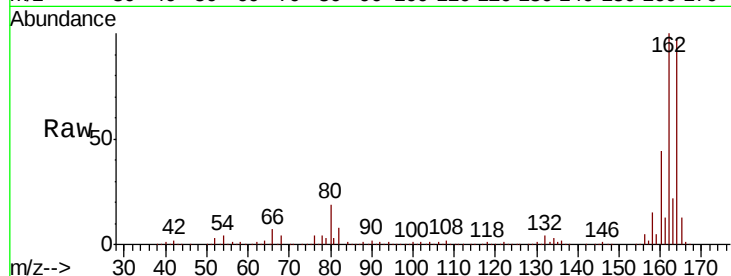
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1320
Delta R.T. -0.01 min
Lab File: BF118811.D
Acq: 4 Feb 2020 19:49

Instrument :
BNA_F
ClientSampleId :
BW-2MSD

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	103.1	81.4	122.2	
160	44.9	35.6	53.4	

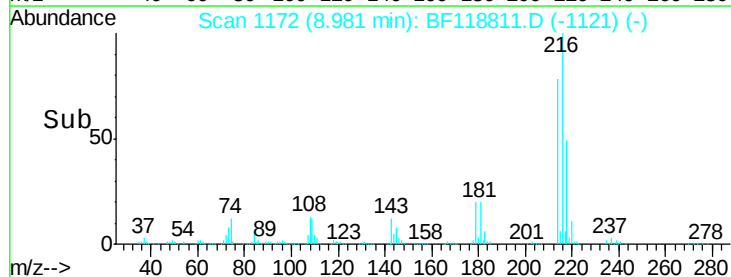
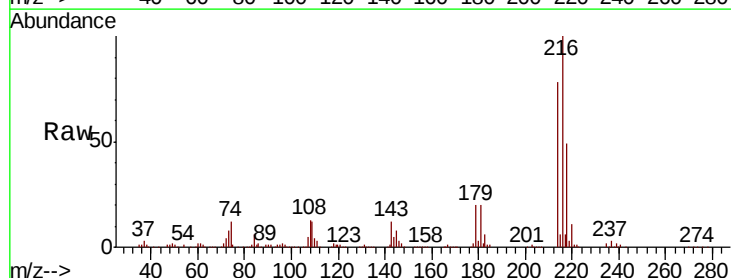
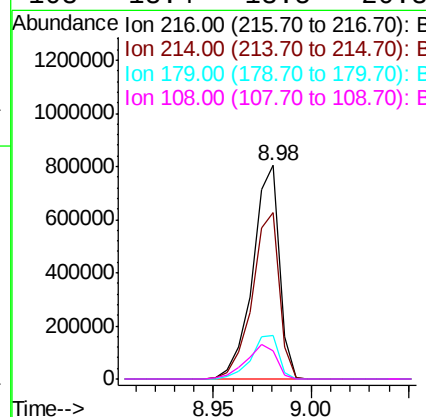
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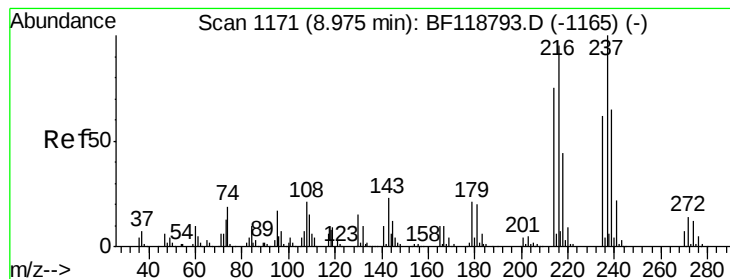
mohammad
2/6/2020 2:17:17 PM



#40
1,2,4,5-Tetrachlorobenzene
Concen: 43.296 ng
RT: 8.98 min Scan# 1172
Delta R.T. -0.00 min
Lab File: BF118811.D
Acq: 4 Feb 2020 19:49

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	79.1	63.0	94.4	
179	21.2	17.0	25.6	
108	18.4	13.5	20.3	





#41

Hexachlorocyclopentadiene

Concen: 105.885 ng

RT: 8.97 min Scan# 1170

Delta R.T. -0.01 min

Lab File: BF118811.D

Acq: 4 Feb 2020 19:49

Instrument :

BNA_F

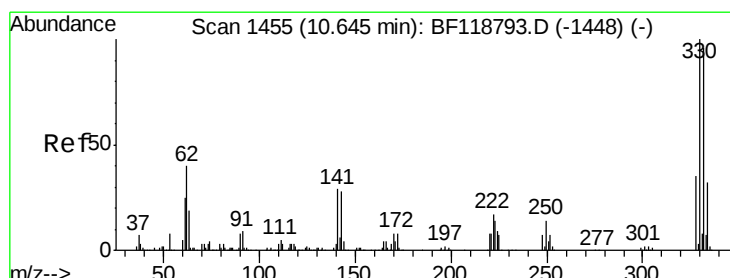
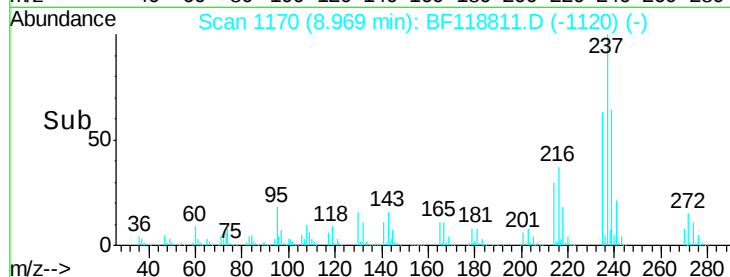
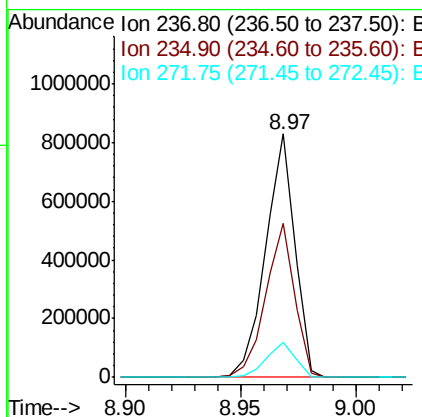
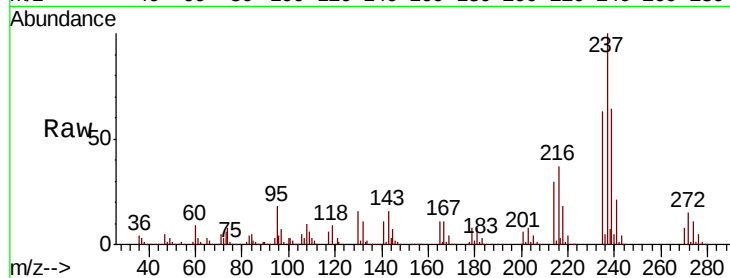
ClientSampled :

BW-2MSD

Tot Ion:	237	Resp:	729406
Ion Ratio	Lower	Upper	
237	100		
235	63.1	42.1	82.1
272	14.5	0.0	34.4

Manual Integrations
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#42

2,4,6-Tribromophenol

Concen: 98.853 ng

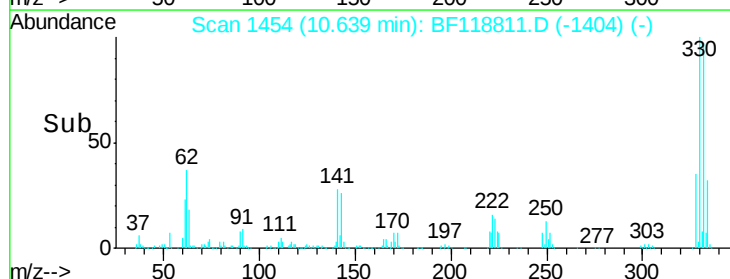
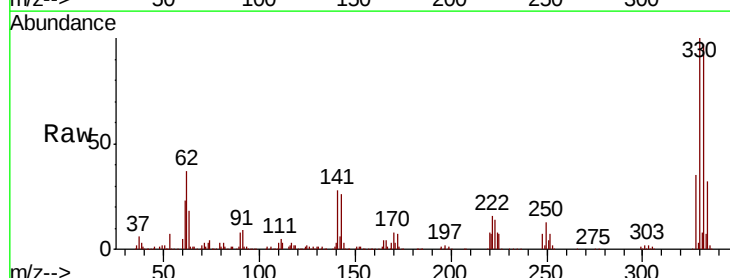
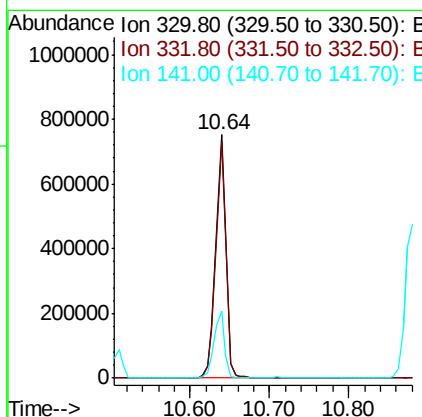
RT: 10.64 min Scan# 1454

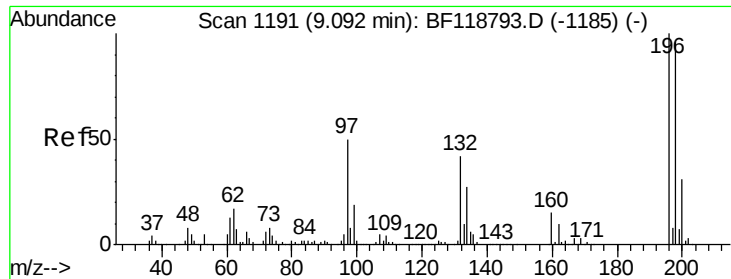
Delta R.T. -0.01 min

Lab File: BF118811.D

Acq: 4 Feb 2020 19:49

Tgt Ion:	330	Resp:	688497
Ion Ratio	Lower	Upper	
330	100		
332	96.4	77.3	115.9
141	28.0	22.4	33.6





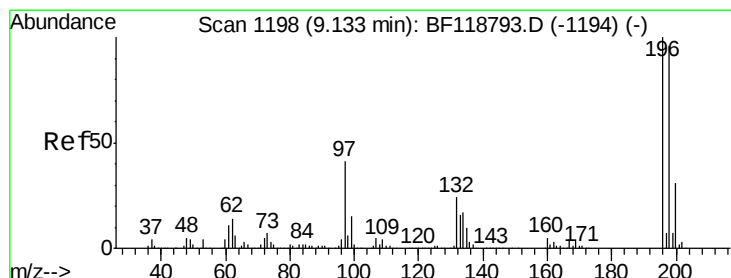
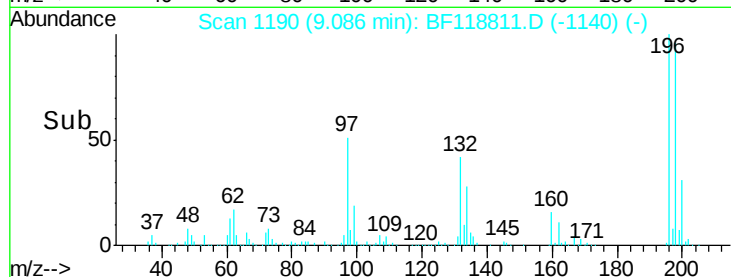
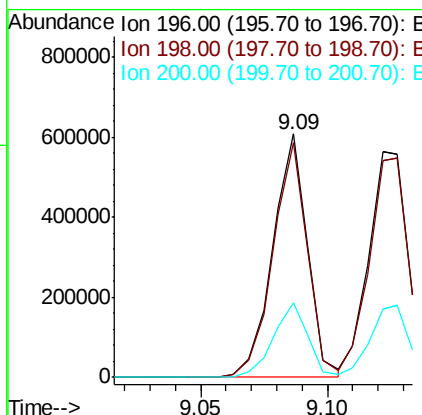
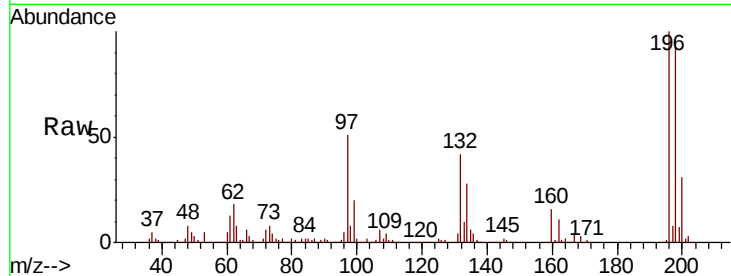
#43
 2,4,6-Trichlorophenol
 Concen: 49.492 ng
 RT: 9.09 min Scan# 1190
 Delta R.T. -0.01 min
 Lab File: BF118811.D
 Acq: 4 Feb 2020 19:49

Instrument :
 BNA_F
 ClientSampled :
 BW-2MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	581418		
198	96.3	76.7	115.1	
200	30.8	24.9	37.3	

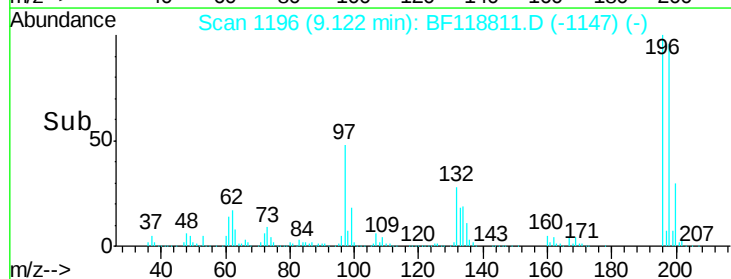
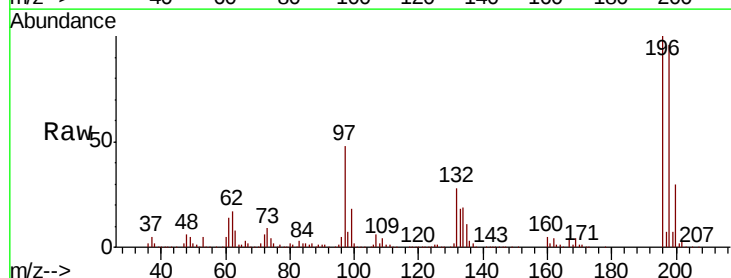
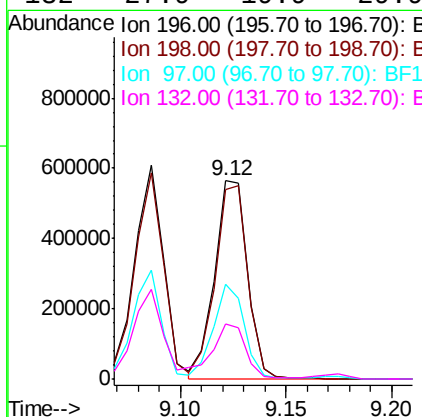
Manual Integrations
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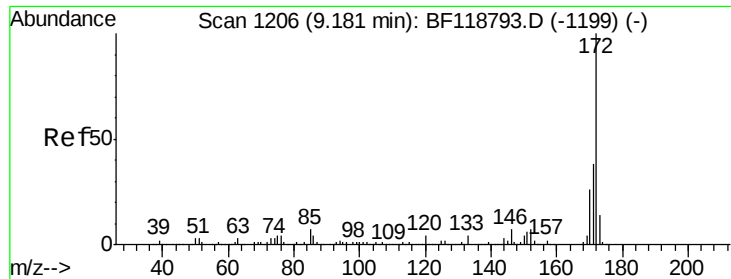
mohammad
 2/6/2020 2:17:17 PM



#44
 2,4,5-Trichlorophenol
 Concen: 50.682 ng
 RT: 9.12 min Scan# 1196
 Delta R.T. -0.01 min
 Lab File: BF118811.D
 Acq: 4 Feb 2020 19:49

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	608363		
198	95.9	77.0	115.4	
97	48.0	32.9	49.3	
132	27.9	19.9	29.9	





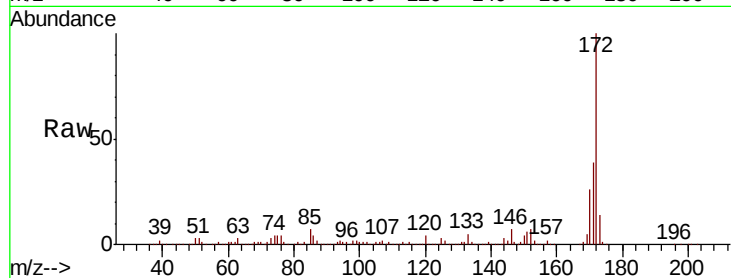
#45
2-Fluorobiphenyl
Concen: 94.138 ng
RT: 9.17 min Scan# 1205
Delta R.T. -0.01 min
Lab File: BF118811.D
Acq: 4 Feb 2020 19:49

Instrument :
BNA_F
ClientSampleId :
BW-2MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	38.7	30.8	46.2
170	25.7	20.5	30.7

Manual Integrations
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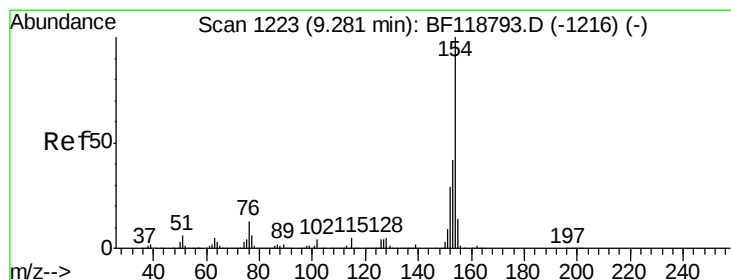
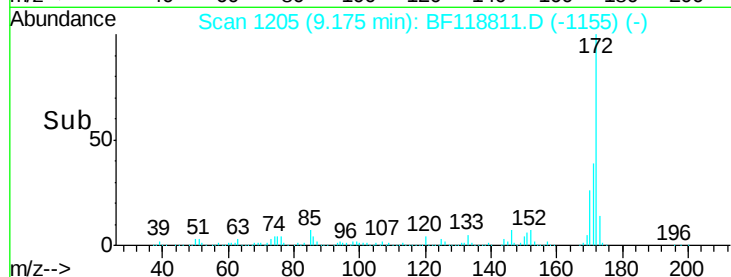
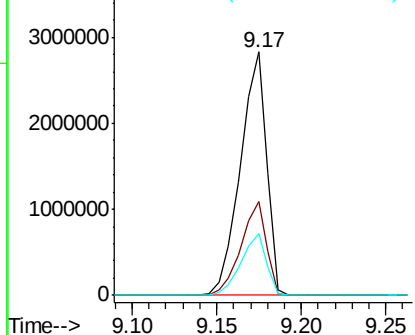


Abundance

Ion 172.00 (171.70 to 172.70): E

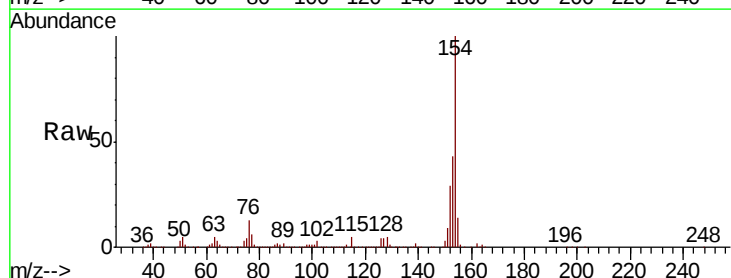
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46
1,1'-Biphenyl
Concen: 47.257 ng
RT: 9.27 min Scan# 1222
Delta R.T. -0.01 min
Lab File: BF118811.D
Acq: 4 Feb 2020 19:49

Tgt Ion	Ratio	Lower	Upper
154	100		
153	42.8	22.4	62.4
76	12.5	0.0	32.7

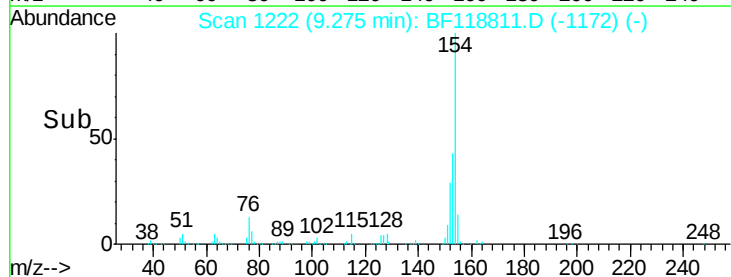
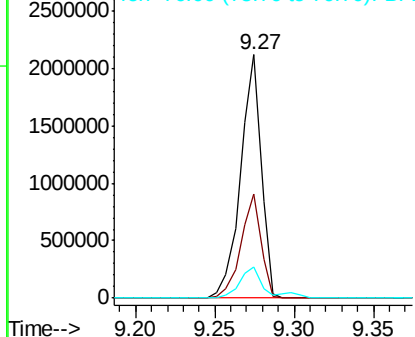


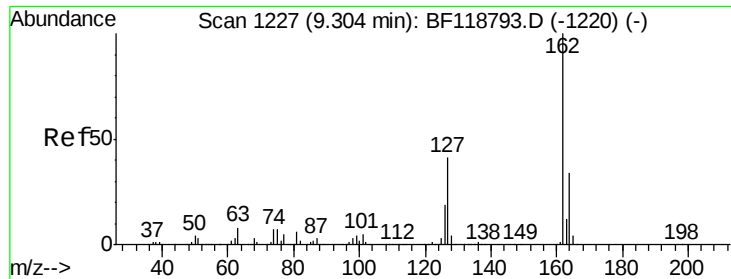
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF1





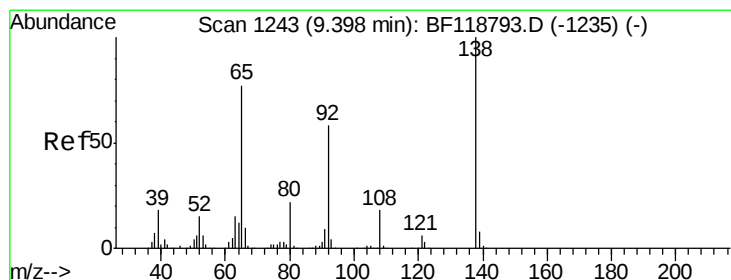
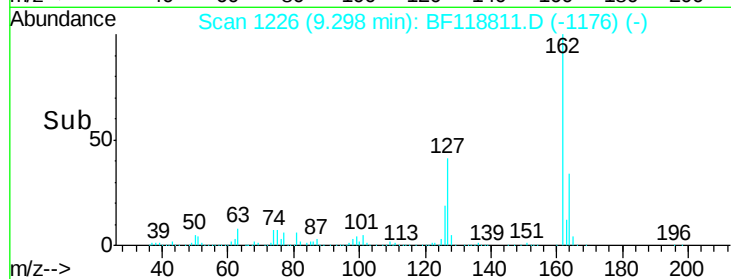
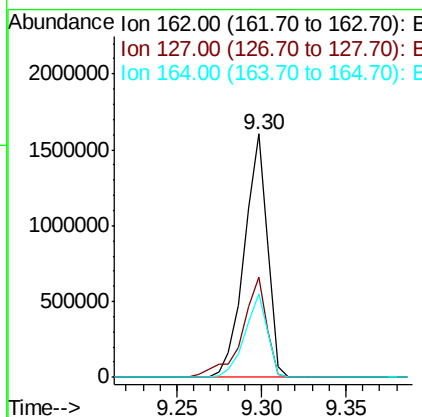
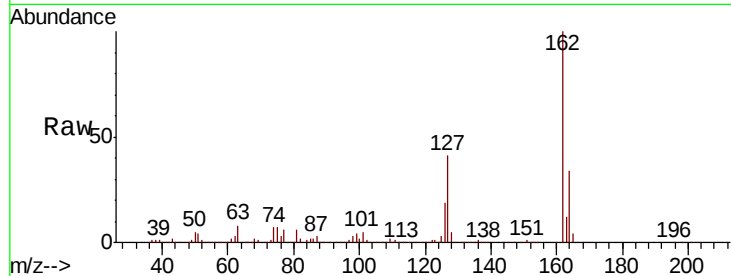
#47
 2-Chloronaphthalene
 Concen: 45.814 ng
 RT: 9.30 min Scan# 1226
 Delta R.T. -0.01 min
 Lab File: BF118811.D
 Acq: 4 Feb 2020 19:49

Instrument :
 BNA_F
 ClientSampleId :
 BW-2MSD

Tot Ion	Ratio	Lower	Upper
162	100		
127	41.2	33.3	49.9
164	34.2	27.1	40.7

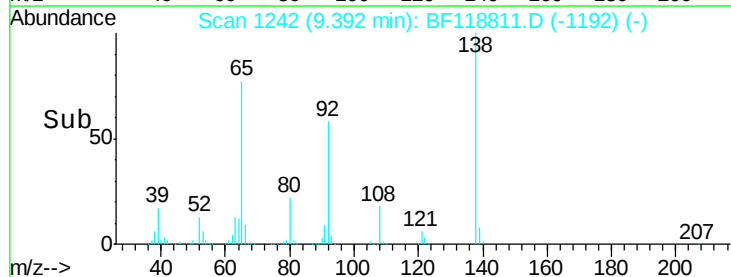
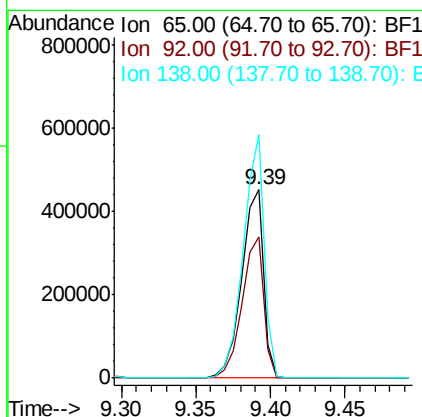
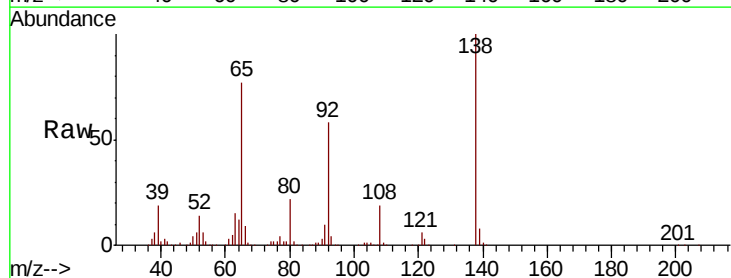
Manual Integrations
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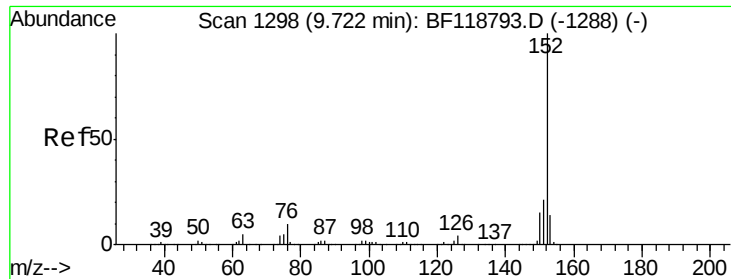
mohammad
 2/6/2020 2:17:17 PM



#48
 2-Nitroaniline
 Concen: 47.734 ng
 RT: 9.39 min Scan# 1242
 Delta R.T. -0.01 min
 Lab File: BF118811.D
 Acq: 4 Feb 2020 19:49

Tgt Ion	Ratio	Lower	Upper
65	100		
92	74.8	60.6	91.0
138	129.4	104.6	156.8





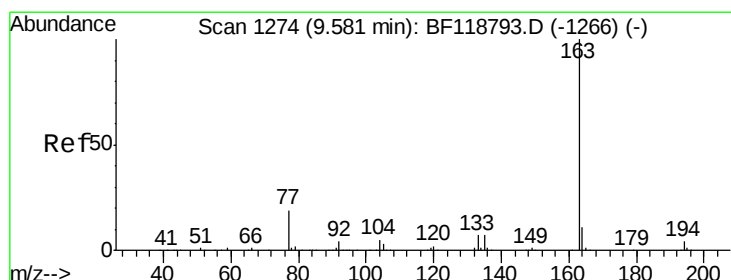
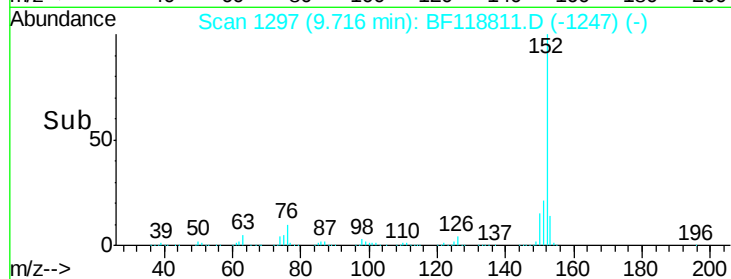
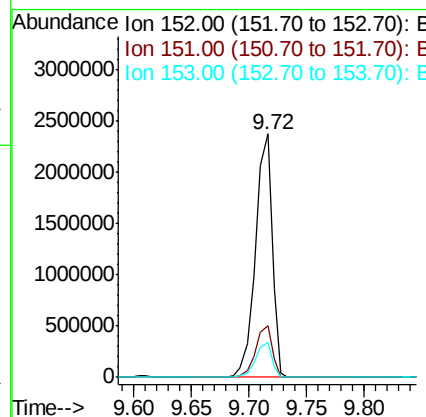
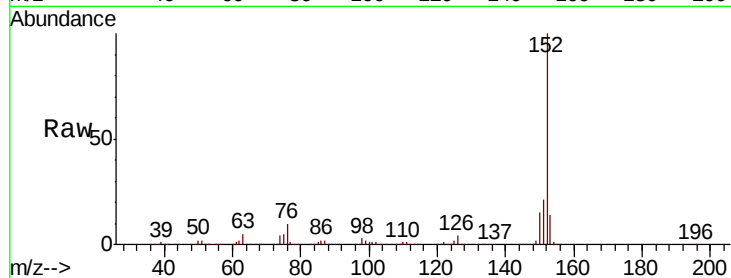
#49
Acenaphthylene
Concen: 49.359 ng
RT: 9.72 min Scan# 1297
Delta R.T. -0.01 min
Lab File: BF118811.D
Acq: 4 Feb 2020 19:49

Instrument :
BNA_F
ClientSampleId :
BW-2MSD

Tot Ion	Ratio	Lower	Upper
152	100		
151	21.4	17.1	25.7
153	14.1	11.0	16.4

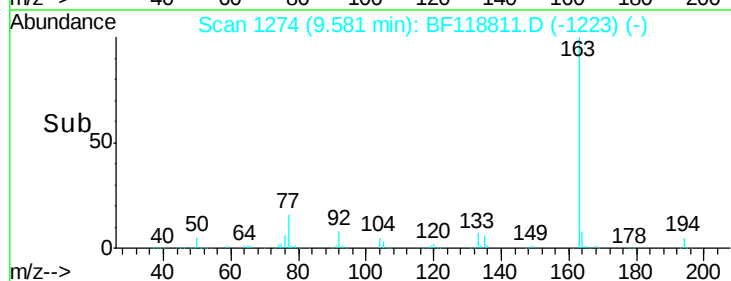
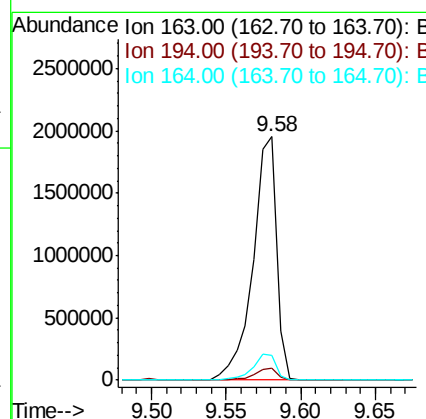
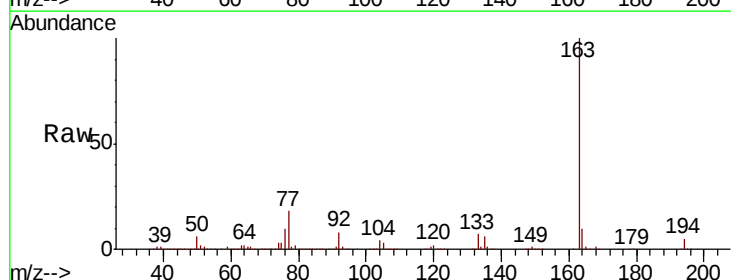
Manual Integrations
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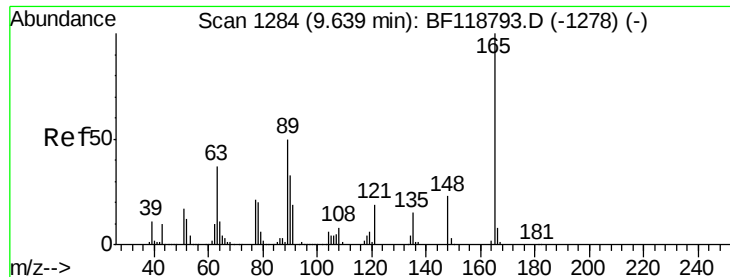
mohammad
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#50
Dimethylphthalate
Concen: 53.669 ng
RT: 9.58 min Scan# 1274
Delta R.T. 0.00 min
Lab File: BF118811.D
Acq: 4 Feb 2020 19:49

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.8	3.6	5.4
164	10.1	8.7	13.1





#51

2,6-Dinitrotoluene

Concen: 51.749 ng

RT: 9.63 min Scan# 1283

Delta R.T. -0.01 min

Lab File: BF118811.D

Acq: 4 Feb 2020 19:49

Instrument :

BNA_F

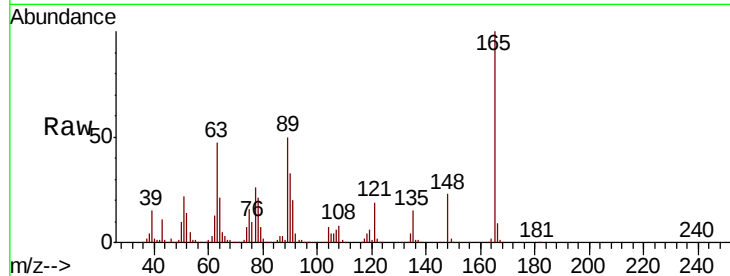
ClientSampleId :

BW-2MSD

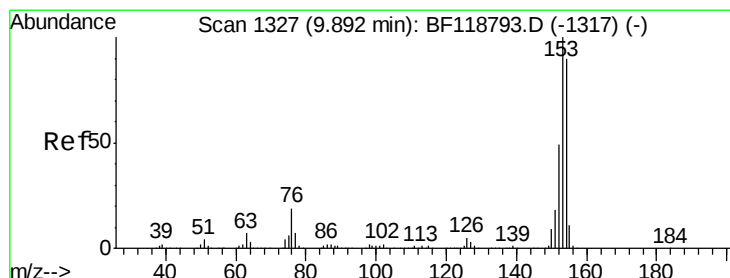
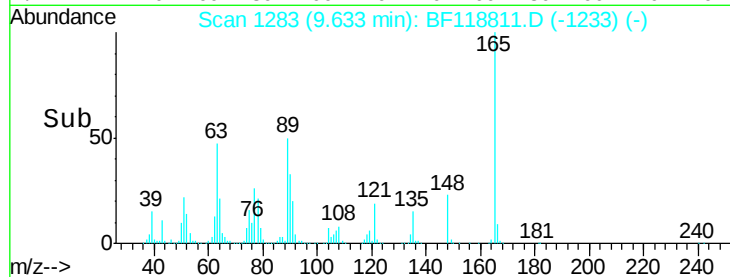
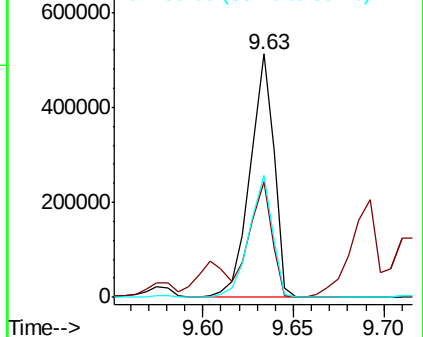
Tot Ion:	165	Resp:	469303
Ion Ratio	Lower	Upper	
165	100		
63	47.3	37.4	56.0
89	50.4	39.7	59.5

Manual Integrations
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Abundance Ion 165.00 (164.70 to 165.70): E



#52

Acenaphthene

Concen: 53.254 ng

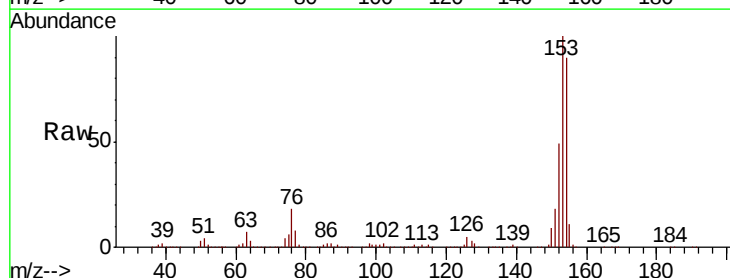
RT: 9.89 min Scan# 1326

Delta R.T. -0.01 min

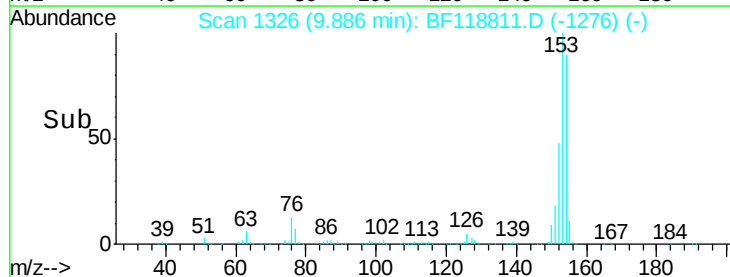
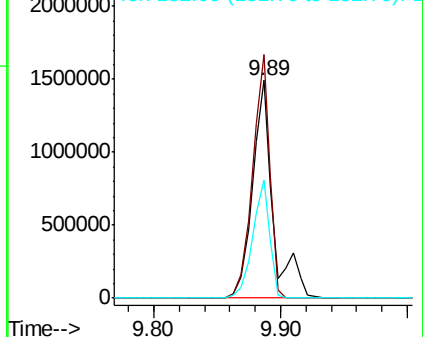
Lab File: BF118811.D

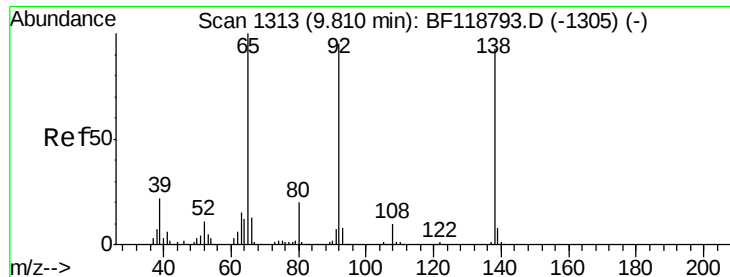
Acq: 4 Feb 2020 19:49

Tgt Ion:	154	Resp:	1696094
Ion Ratio	Lower	Upper	
154	100		
153	111.7	89.4	134.0
152	54.3	43.6	65.4



Abundance Ion 154.00 (153.70 to 154.70): E





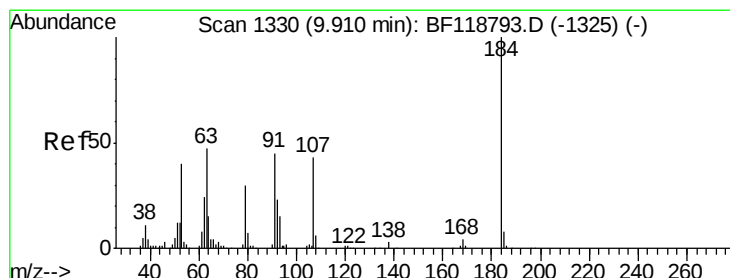
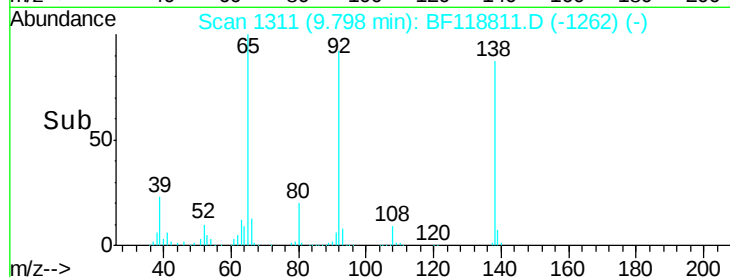
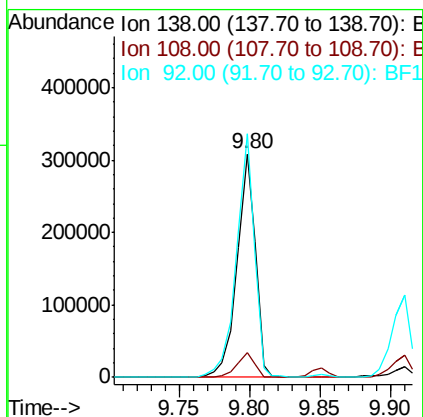
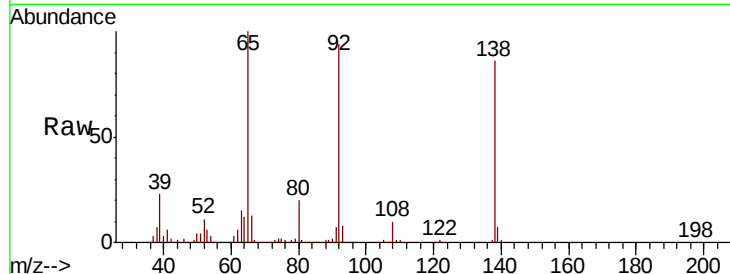
#53
3-Nitroaniline
Concen: 27.841 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.01 min
Lab File: BF118811.D
Acq: 4 Feb 2020 19:49

Instrument :
BNA_F
ClientSampleId :
BW-2MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	11.1	8.5	12.7
92	108.8	82.2	123.4

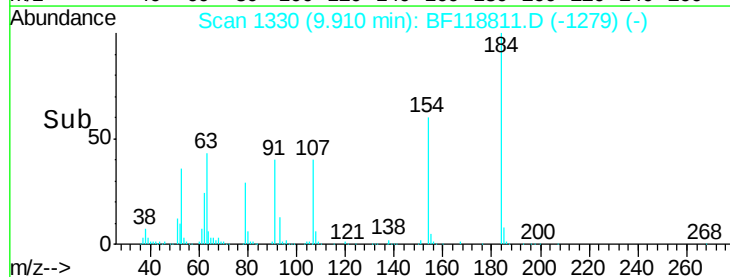
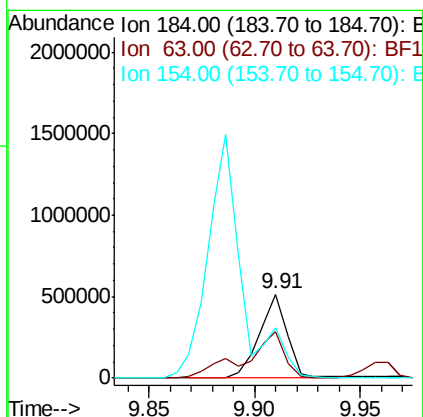
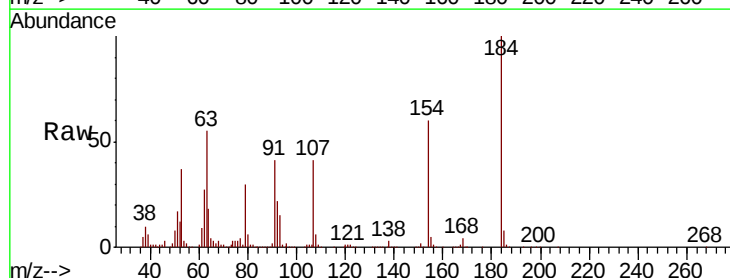
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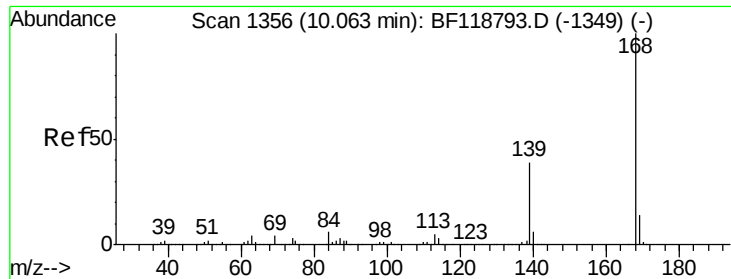
mohammad
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#54
2,4-Dinitrophenol
Concen: 109.480 ng
RT: 9.91 min Scan# 1330
Delta R.T. -0.00 min
Lab File: BF118811.D
Acq: 4 Feb 2020 19:49

Tgt Ion	Ratio	Lower	Upper
184	100		
63	54.8	47.5	71.3
154	60.0	48.6	72.8





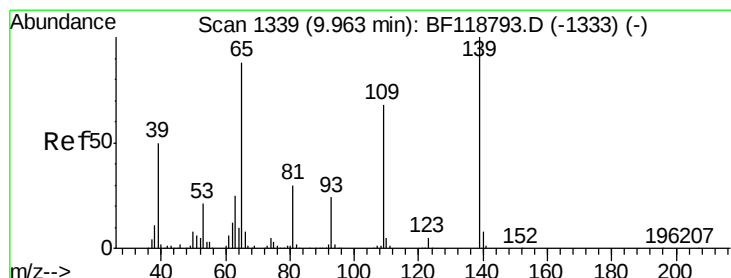
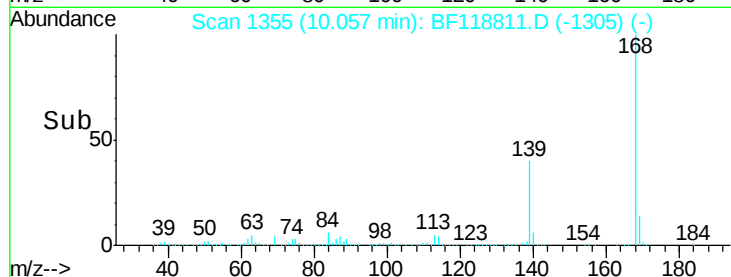
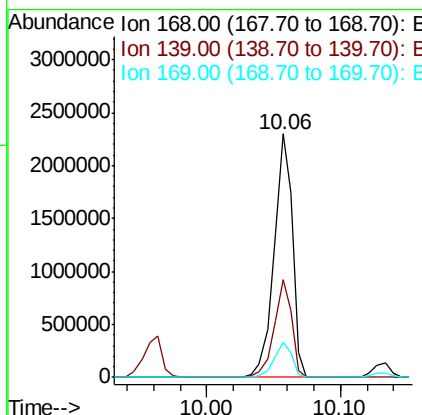
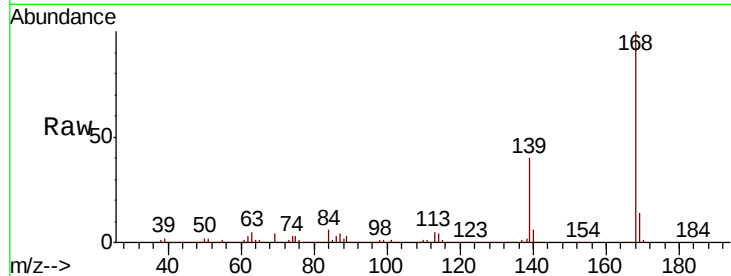
#55
Dibenzenofuran
Concen: 47.959 ng
RT: 10.06 min Scan# 1356
Delta R.T. -0.01 min
Lab File: BF118811.D
Acq: 4 Feb 2020 19:49

Instrument :
BNA_F
ClientSampleId :
BW-2MSD

Tot Ion	Ratio	Lower	Upper
168	100		
139	40.2	31.6	47.4
169	14.3	11.4	17.2

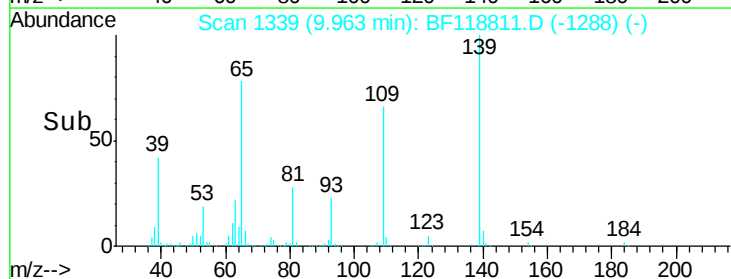
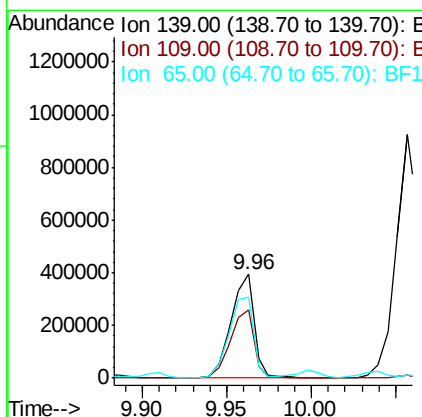
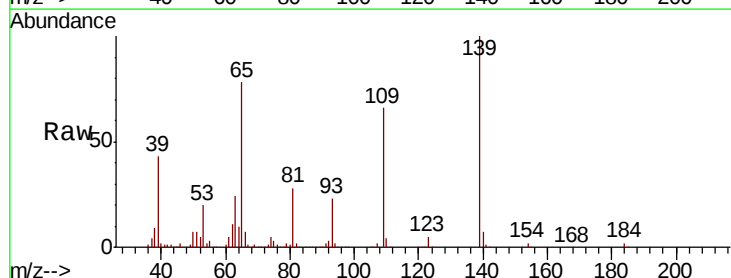
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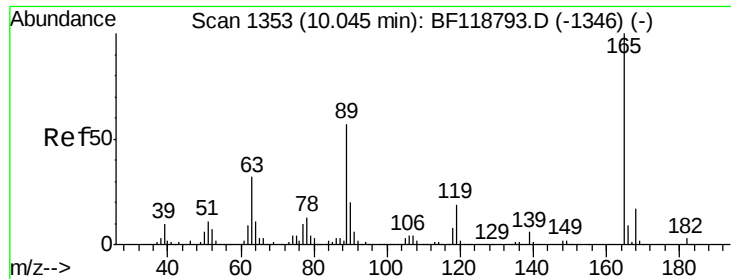
mohammad
2/6/2020 2:17:17 PM



#56
4-Nitrophenol
Concen: 51.772 ng
RT: 9.96 min Scan# 1339
Delta R.T. 0.00 min
Lab File: BF118811.D
Acq: 4 Feb 2020 19:49

Tgt Ion	Ratio	Lower	Upper
139	100		
109	65.7	48.0	88.0
65	78.1	68.3	108.3





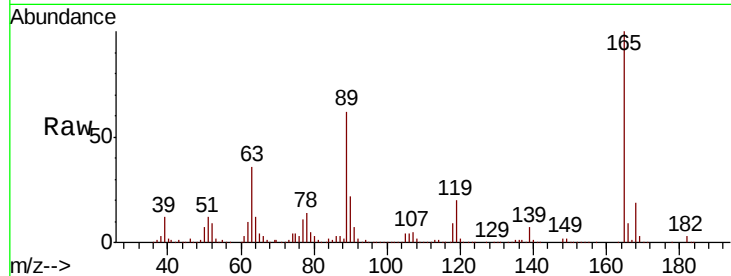
#57
2,4-Dinitrotoluene
Concen: 51.731 ng
RT: 10.04 min Scan# 1352
Delta R.T. -0.01 min
Lab File: BF118811.D
Acq: 4 Feb 2020 19:49

Instrument :
BNA_F
ClientSampleId :
BW-2MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	620846		
63	36.4	25.5	38.3	
89	62.5	45.4	68.0	
182	3.0	2.4	3.6	

Manual Integrations
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2/6/2020 2:17:17 PM



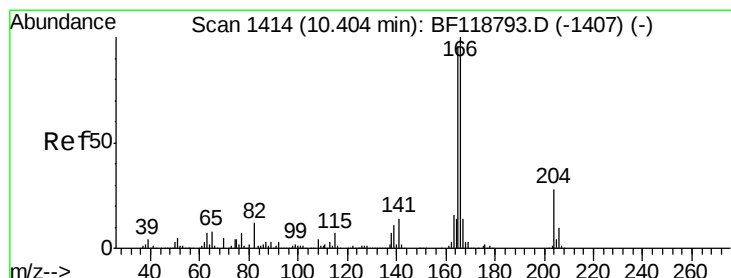
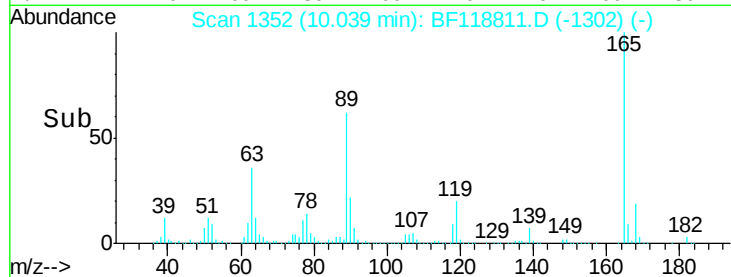
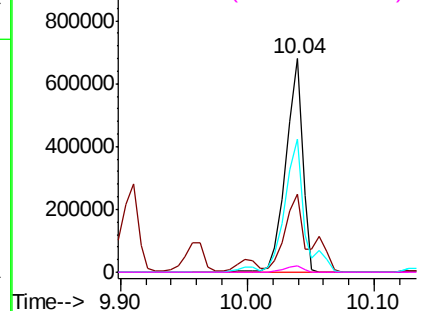
Abundance

Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

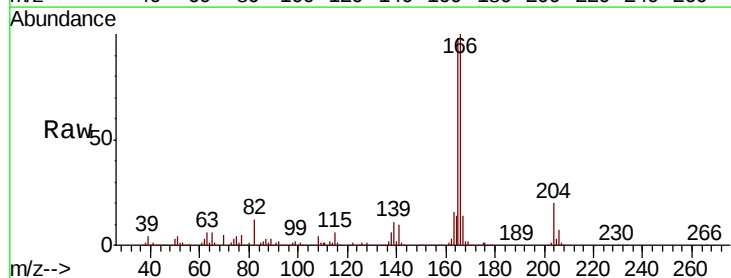
Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58
Fluorene
Concen: 47.540 ng
RT: 10.40 min Scan# 1413
Delta R.T. -0.01 min
Lab File: BF118811.D
Acq: 4 Feb 2020 19:49

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	1646167		
165	98.0	77.0	115.6	
167	13.9	11.1	16.7	

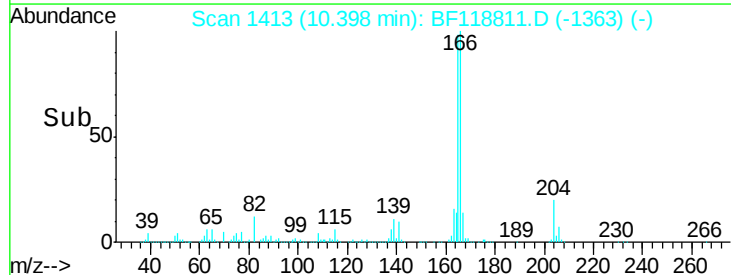
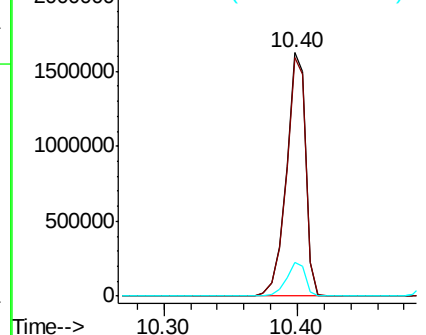


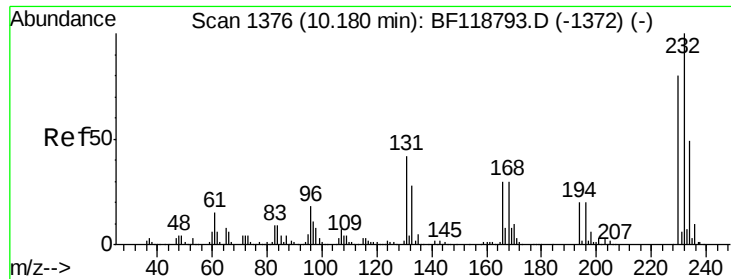
Abundance

Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





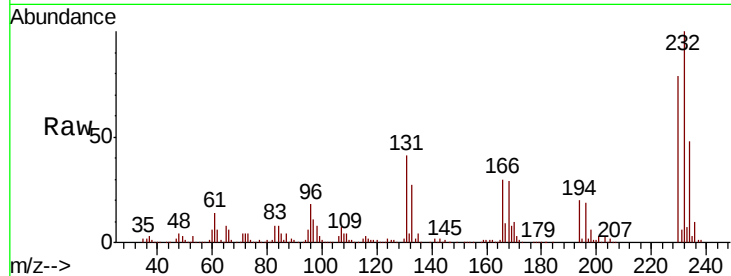
#59
 2,3,4,6-Tetrachlorophenol
 Concen: 50.981 ng
 RT: 10.17 min Scan# 1375
 Delta R.T. -0.01 min
 Lab File: BF118811.D
 Acq: 4 Feb 2020 19:49

Instrument :
 BNA_F
 ClientSampleId :
 BW-2MSD

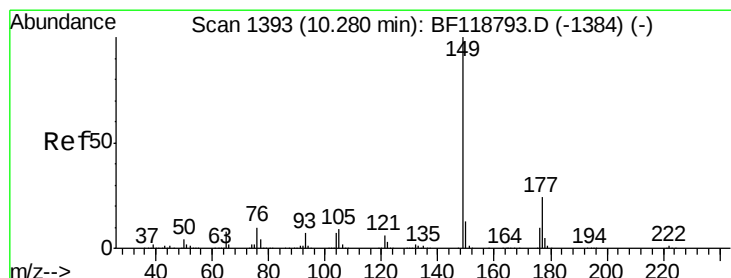
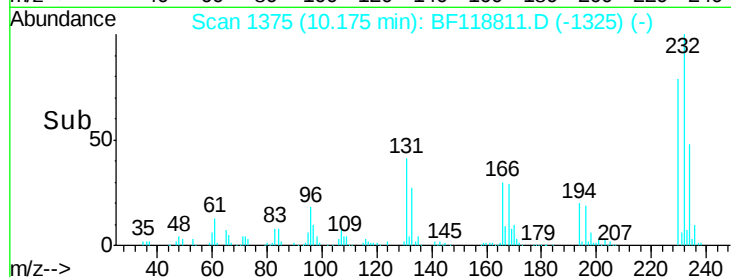
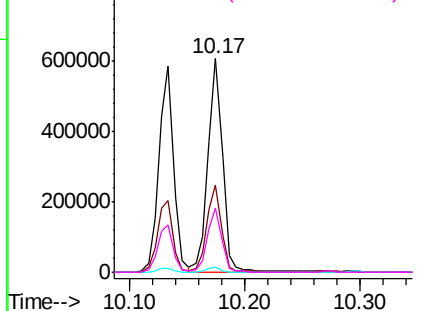
Tot Ion	Ratio	Lower	Upper
232	100		
131	40.2	31.8	47.6
130	2.2	1.6	2.4
166	29.2	23.1	34.7

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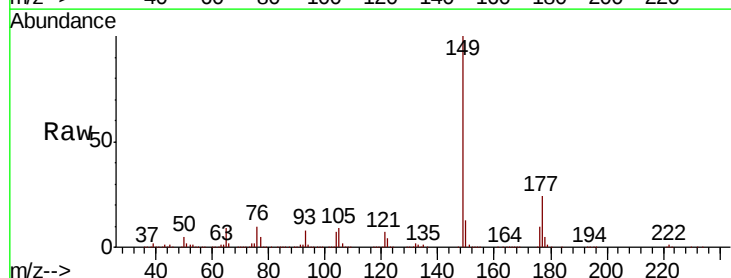


Abundance Ion 232.00 (231.70 to 232.70): E
 Ion 131.00 (130.70 to 131.70): E
 Ion 130.00 (129.70 to 130.70): E
 Ion 166.00 (165.70 to 166.70): E

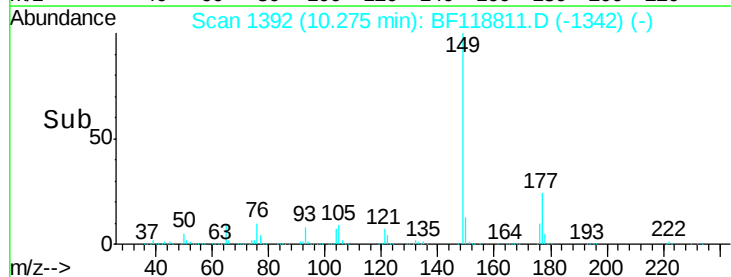
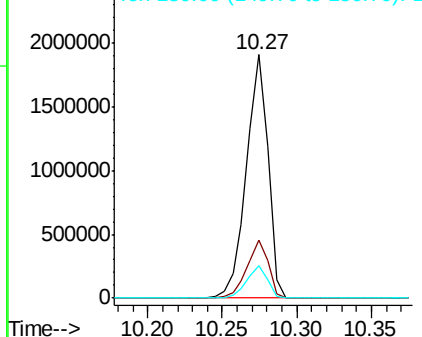


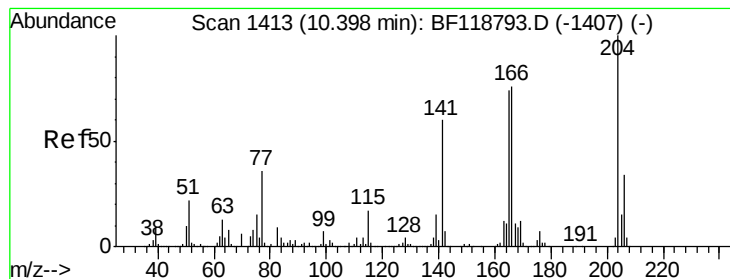
#60
 Diethylphthalate
 Concen: 49.620 ng
 RT: 10.27 min Scan# 1392
 Delta R.T. -0.01 min
 Lab File: BF118811.D
 Acq: 4 Feb 2020 19:49

Tgt Ion	Ratio	Lower	Upper
149	100		
177	23.8	19.3	28.9
150	13.1	10.4	15.6



Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 177.00 (176.70 to 177.70): E
 Ion 150.00 (149.70 to 150.70): E





#61

4-Chlorophenyl-phenylether

Concen: 47.131 ng

RT: 10.39 min Scan# 1412

Delta R.T. -0.01 min

Lab File: BF118811.D

Acq: 4 Feb 2020 19:49

Instrument :

BNA_F

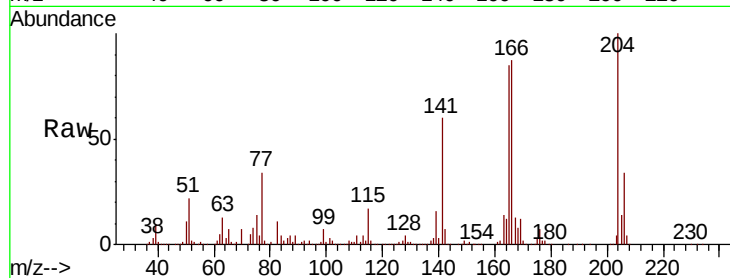
ClientSampled :

BW-2MSD

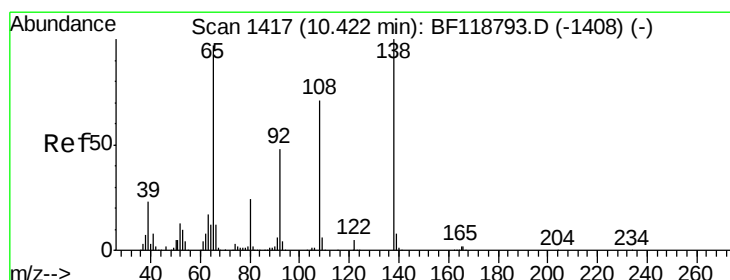
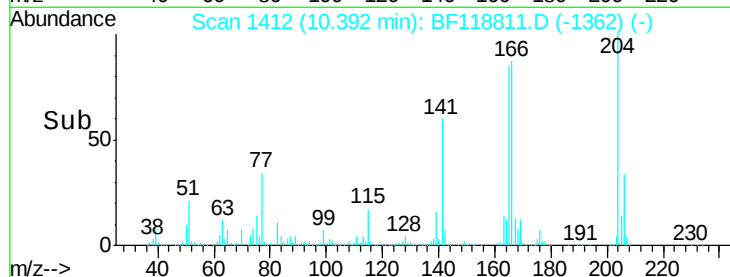
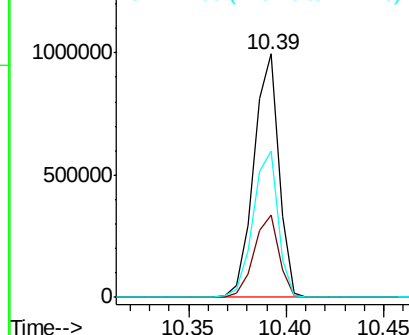
Tot Ion:	204	Resp:	885056
Ion Ratio	Lower	Upper	
204	100		
206	34.0	27.4	41.2
141	60.4	47.8	71.6

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Abundance Ion 204.00 (203.70 to 204.70): E
Ion 206.00 (205.70 to 206.70): E
Ion 141.00 (140.70 to 141.70): E



#62

4-Nitroaniline

Concen: 43.184 ng

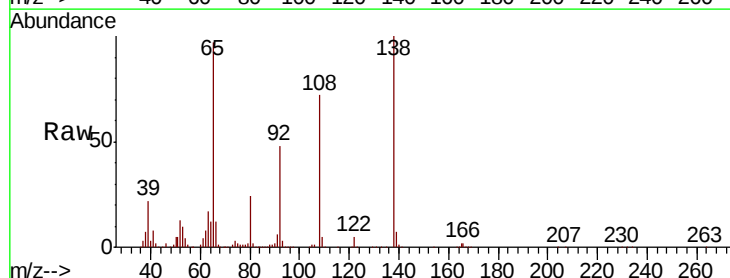
RT: 10.42 min Scan# 1416

Delta R.T. -0.01 min

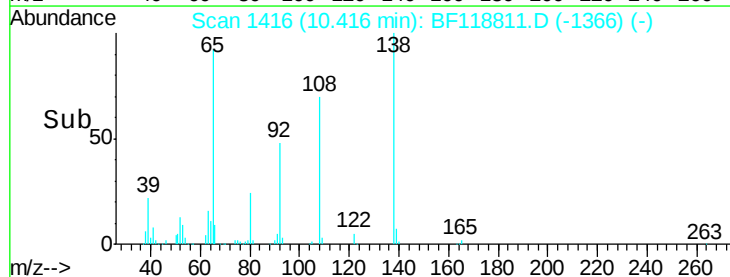
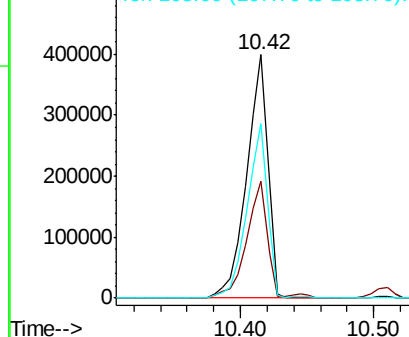
Lab File: BF118811.D

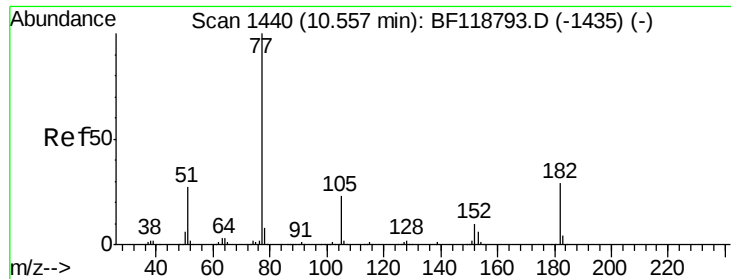
Acq: 4 Feb 2020 19:49

Tgt Ion:	138	Resp:	434943
Ion Ratio	Lower	Upper	
138	100		
92	47.8	27.6	67.6
108	71.5	51.3	91.3



Abundance Ion 138.00 (137.70 to 138.70): E
Ion 92.00 (91.70 to 92.70): BF1
Ion 108.00 (107.70 to 108.70): E





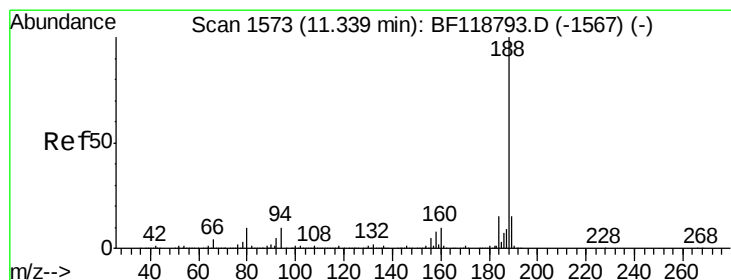
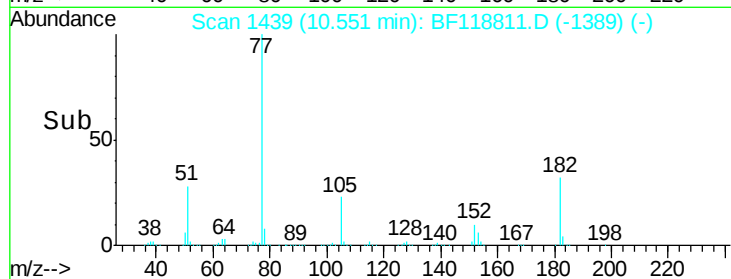
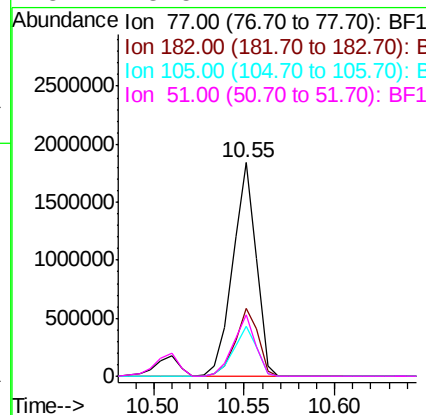
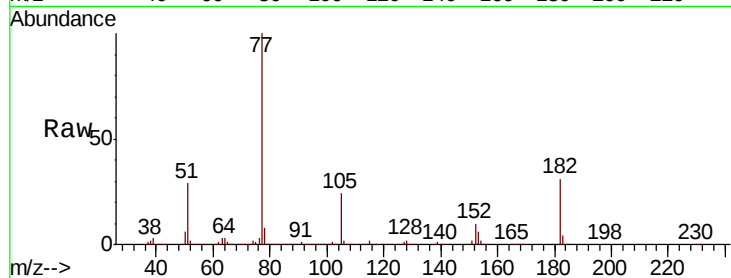
#63
Azobenzene
Concen: 50.121 ng
RT: 10.55 min Scan# 1439
Delta R.T. -0.01 min
Lab File: BF118811.D
Acq: 4 Feb 2020 19:49

Instrument :
BNA_F
ClientSampleId :
BW-2MSD

Tot Ion	Ratio	Lower	Upper
77	100		
182	31.5	9.2	49.2
105	23.7	3.1	43.1
51	28.5	7.4	47.4

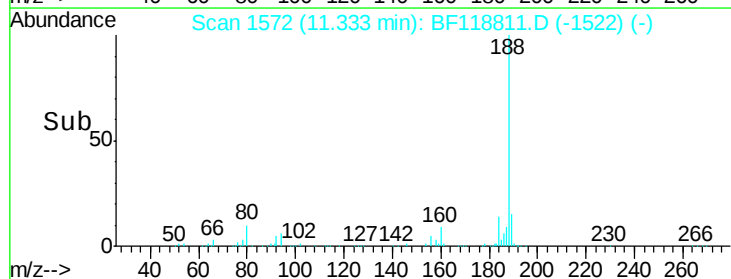
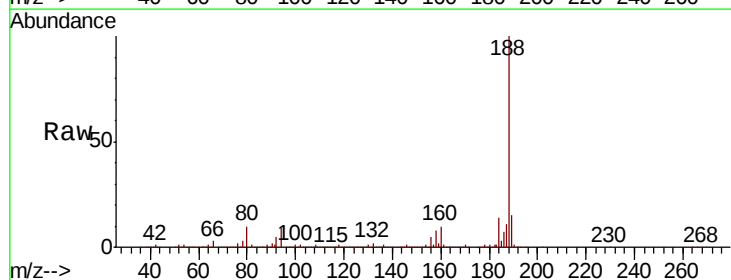
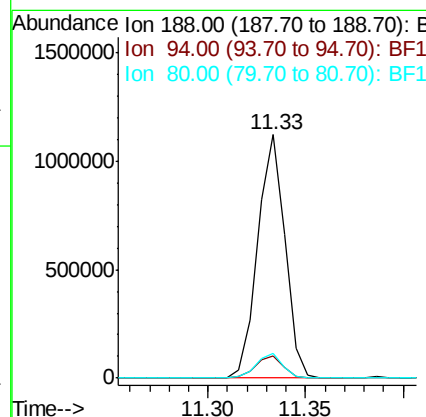
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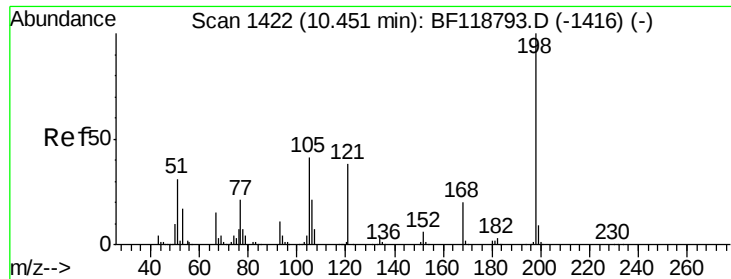
mohammad
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#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1572
Delta R.T. -0.01 min
Lab File: BF118811.D
Acq: 4 Feb 2020 19:49

Tgt Ion	Ratio	Lower	Upper
188	100		
94	8.9	7.9	11.9
80	9.9	8.4	12.6





#65

4,6-Dinitro-2-methylphenol

Concen: 59.145 ng

RT: 10.45 min Scan# 1421

Delta R.T. -0.01 min

Lab File: BF118811.D

Acq: 4 Feb 2020 19:49

Instrument :

BNA_F

ClientSampleId :

BW-2MSD

Tot Ion:198 Resp: 359817
Ion Ratio Lower Upper

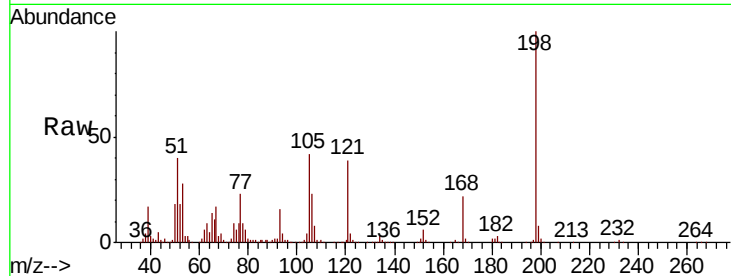
198 100

51 39.7 16.7 56.7

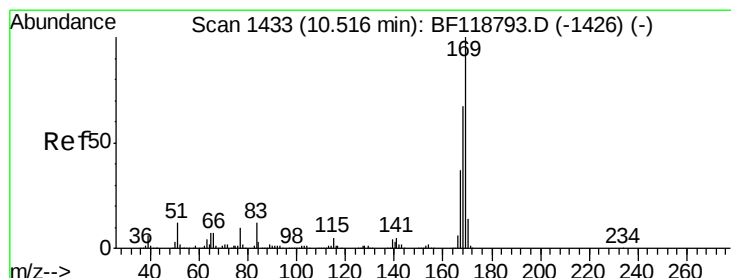
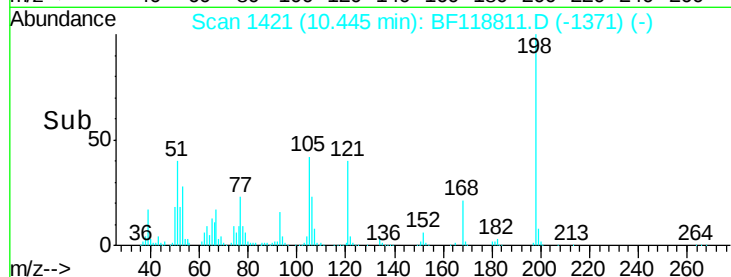
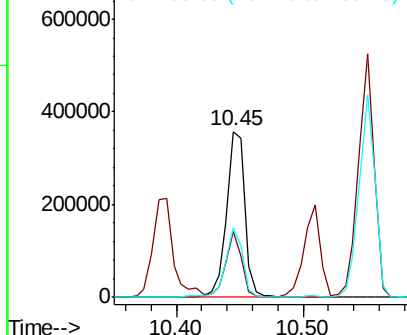
105 41.8 22.0 62.0

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Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 50.219 ng

RT: 10.51 min Scan# 1432

Delta R.T. -0.01 min

Lab File: BF118811.D

Acq: 4 Feb 2020 19:49

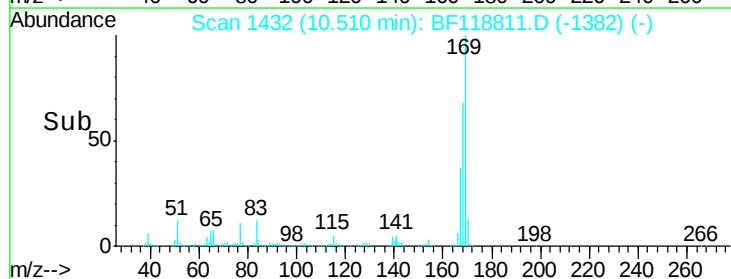
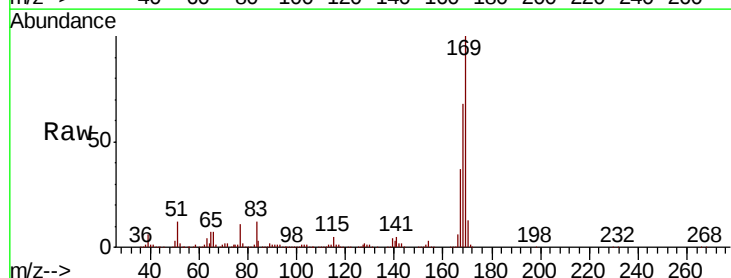
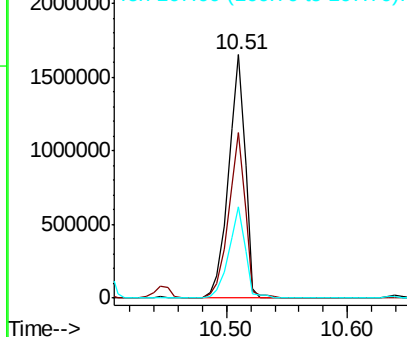
Tgt Ion:169 Resp: 1574894
Ion Ratio Lower Upper

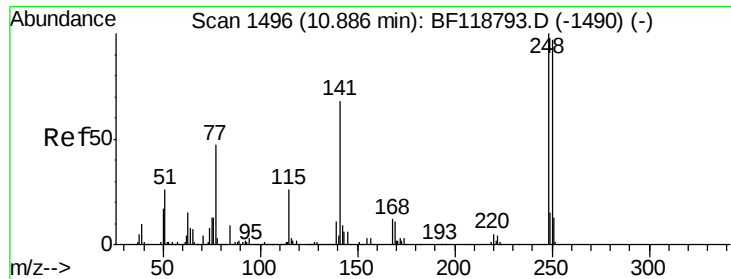
169 100

168 68.1 53.5 80.3

167 37.2 29.3 43.9

Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E





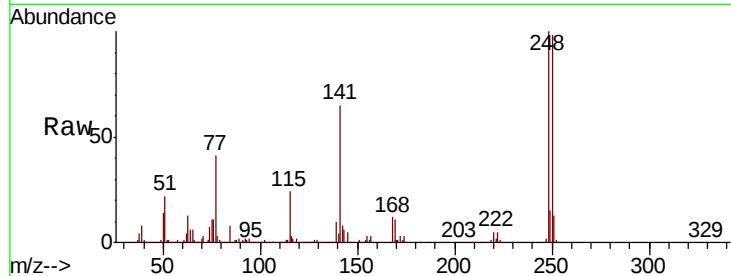
#67
4-Bromophenyl-phenylether
Concen: 48.786 ng
RT: 10.88 min Scan# 1495
Delta R.T. -0.01 min
Lab File: BF118811.D
Acq: 4 Feb 2020 19:49

Instrument :
BNA_F
ClientSampleID :
BW-2MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	97.9	77.6	116.4
141	65.0	54.4	81.6

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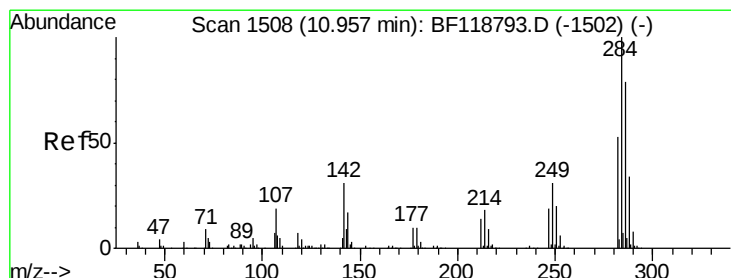
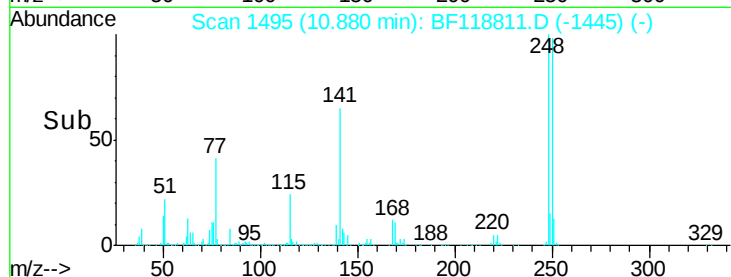
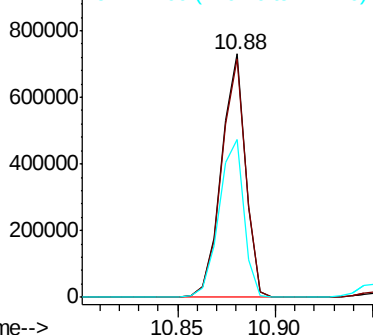


Abundance

Ion 248.00 (247.70 to 248.70): E

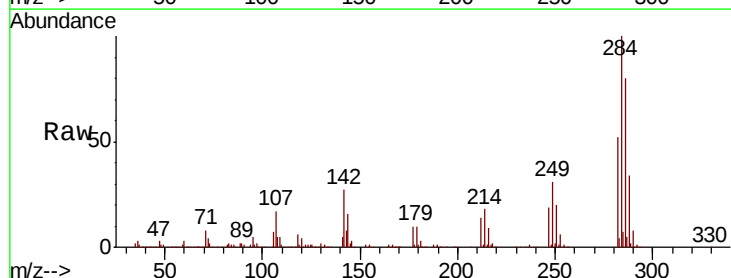
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
Hexachlorobenzene
Concen: 47.853 ng
RT: 10.95 min Scan# 1507
Delta R.T. -0.01 min
Lab File: BF118811.D
Acq: 4 Feb 2020 19:49

Tgt Ion	Ratio	Lower	Upper
284	100		
142	27.3	24.5	36.7
249	30.9	24.7	37.1

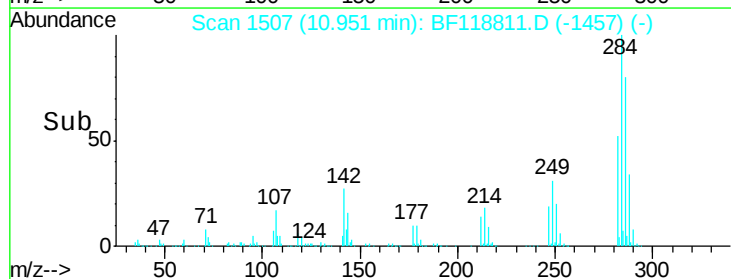
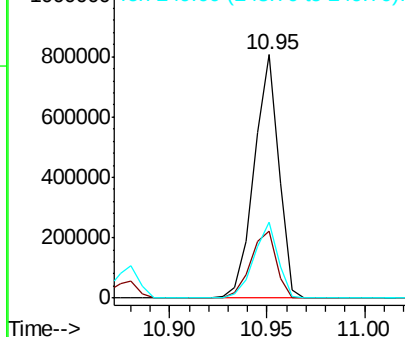


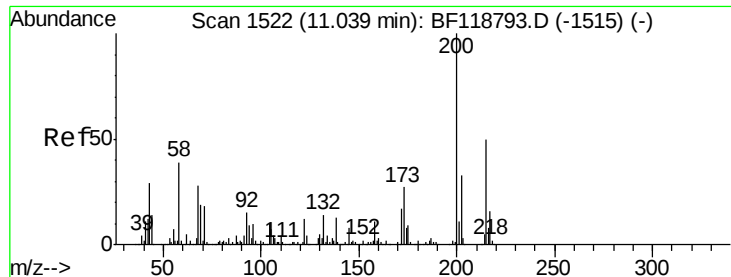
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





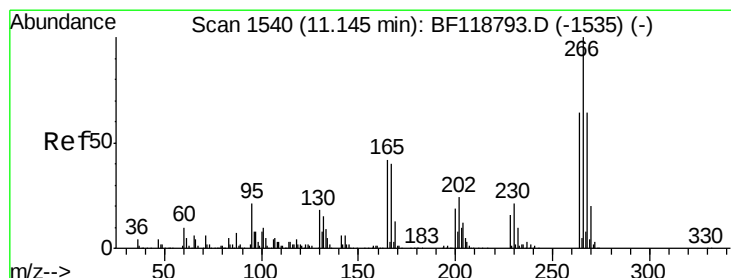
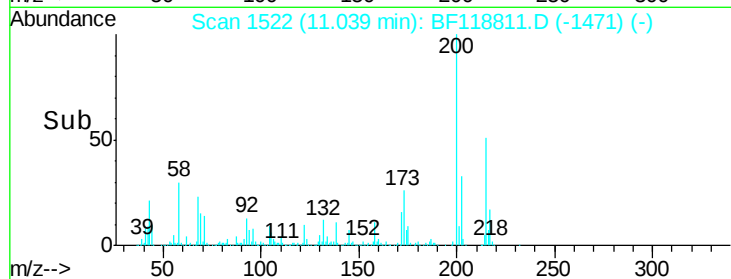
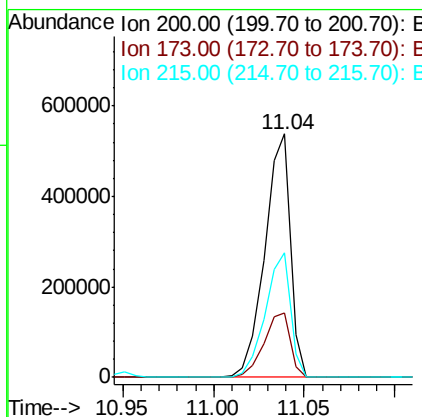
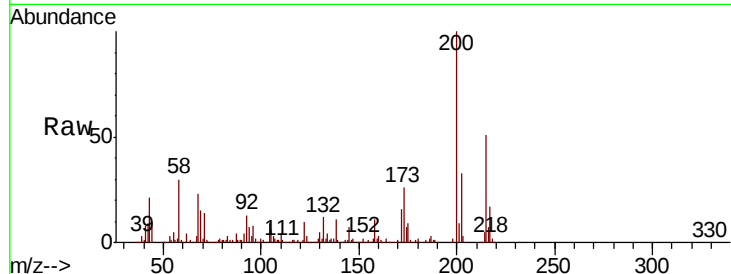
#69
Atrazine
Concen: 50.491 ng
RT: 11.04 min Scan# 1522
Delta R.T. 0.00 min
Lab File: BF118811.D
Acq: 4 Feb 2020 19:49

Instrument :
BNA_F
ClientSampleId :
BW-2MSD

Tot Ion	Ratio	Resp	Lower	Upper
200	100	527525		
173	26.3	7.5	47.5	
215	51.3	29.9	69.9	

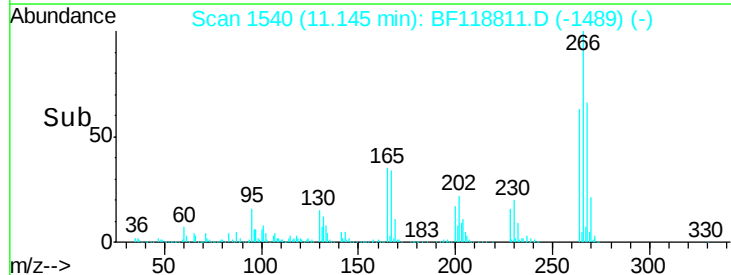
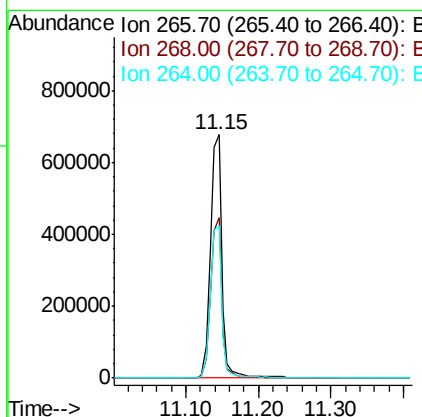
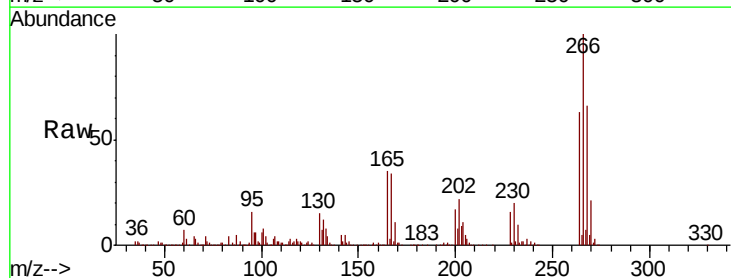
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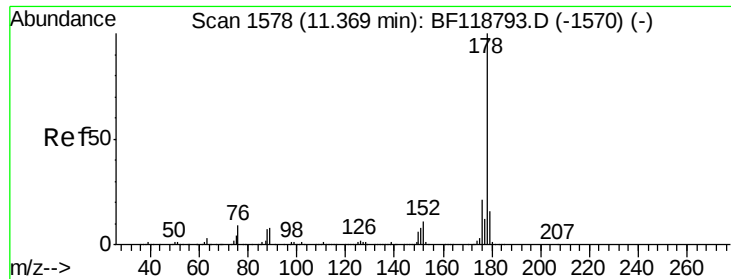
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#70
Pentachlorophenol
Concen: 96.198 ng
RT: 11.15 min Scan# 1540
Delta R.T. 0.00 min
Lab File: BF118811.D
Acq: 4 Feb 2020 19:49

Tgt Ion	Ratio	Resp	Lower	Upper
266	100	746165		
268	65.9	51.0	76.6	
264	62.5	51.4	77.2	





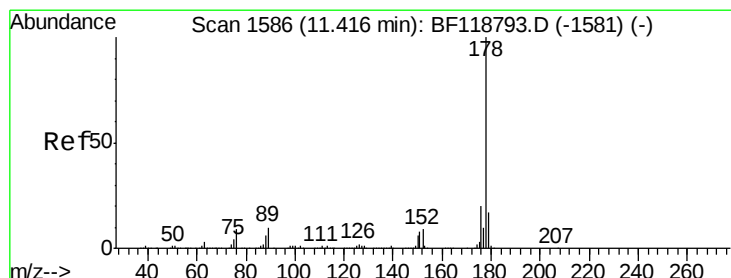
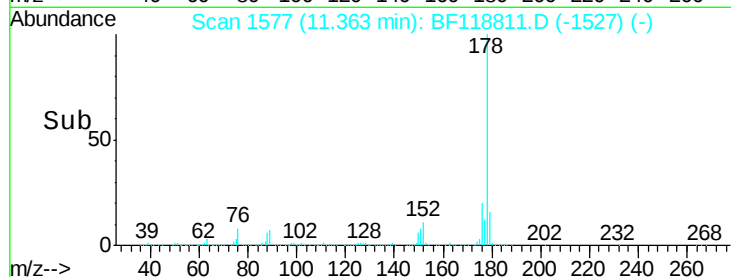
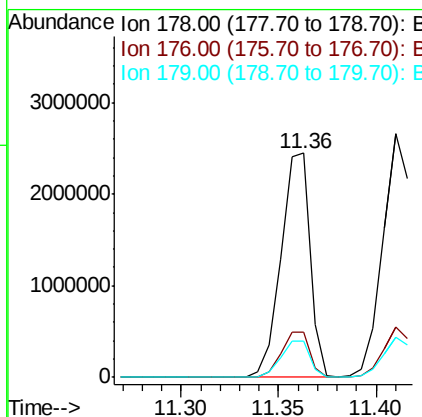
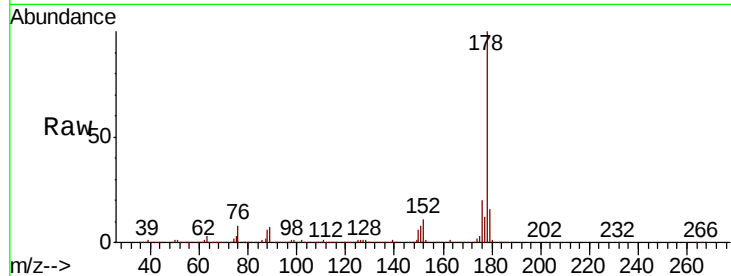
#71
Phenanthrene
Concen: 47.538 ng
RT: 11.36 min Scan# 1577
Delta R.T. -0.01 min
Lab File: BF118811.D
Acq: 4 Feb 2020 19:49

Instrument :
BNA_F
ClientSampleId :
BW-2MSD

Tot Ion:178 Resp: 2532279
Ion Ratio Lower Upper
178 100
176 20.4 16.6 24.8
179 16.2 13.2 19.8

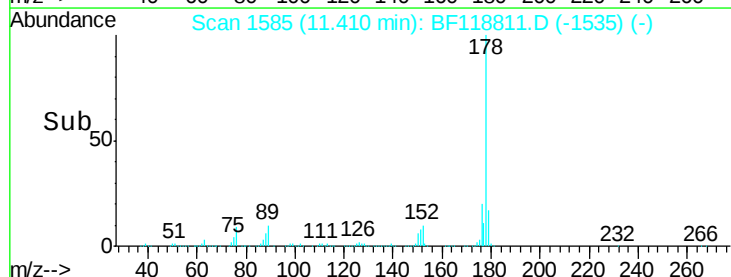
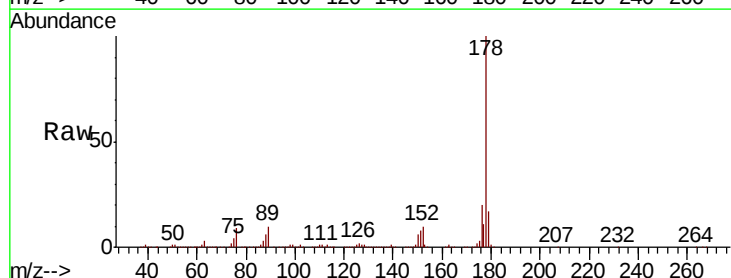
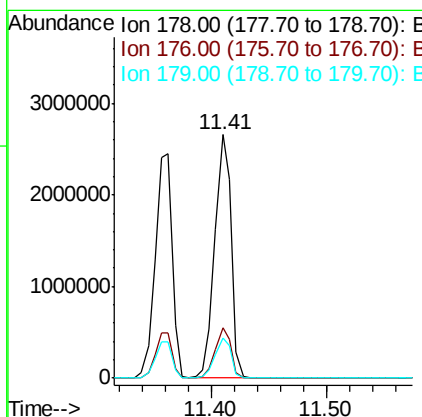
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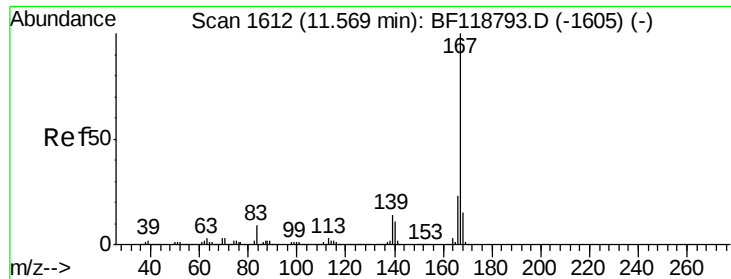
mohammad
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#72
Anthracene
Concen: 49.425 ng
RT: 11.41 min Scan# 1585
Delta R.T. -0.01 min
Lab File: BF118811.D
Acq: 4 Feb 2020 19:49

Tgt Ion:178 Resp: 2619175
Ion Ratio Lower Upper
178 100
176 20.5 16.2 24.2
179 16.7 13.4 20.2





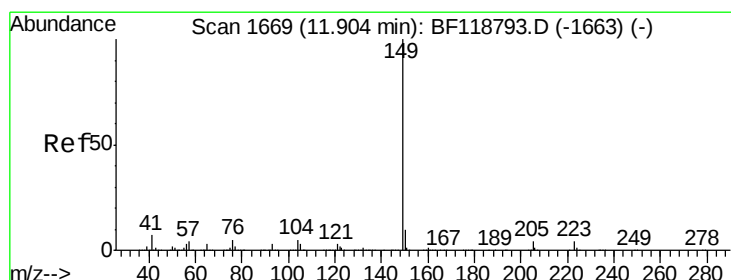
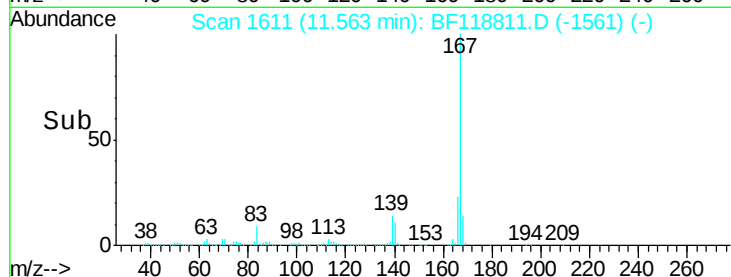
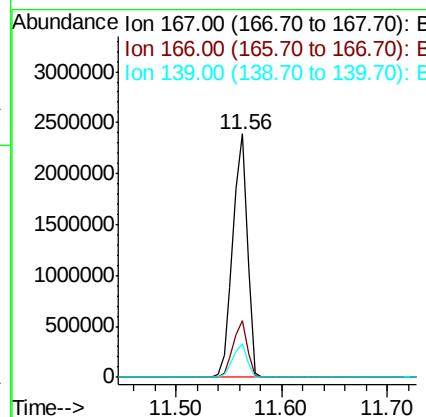
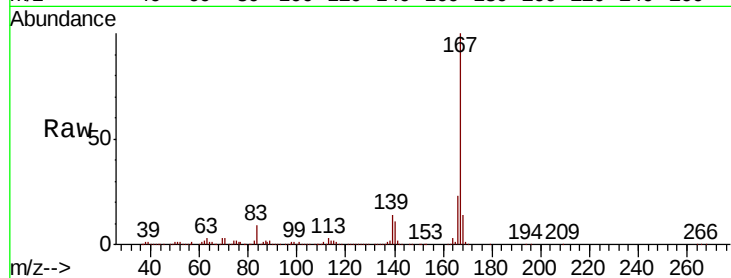
#73
 Carbazole
 Concen: 49.466 ng
 RT: 11.56 min Scan# 1611
 Delta R.T. -0.01 min
 Lab File: BF118811.D
 Acq: 4 Feb 2020 19:49

Instrument :
 BNA_F
 ClientSampleId :
 BW-2MSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	23.2	18.4	27.6
139	14.0	11.1	16.7

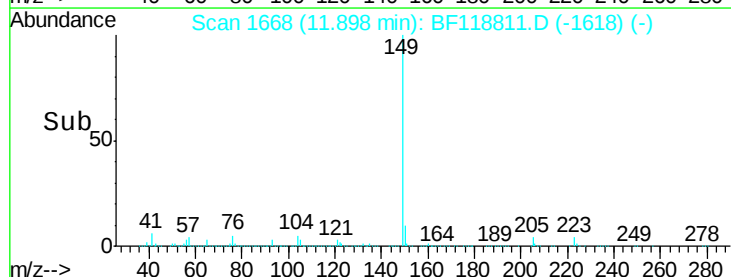
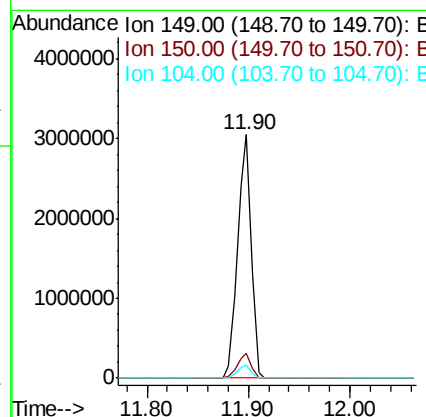
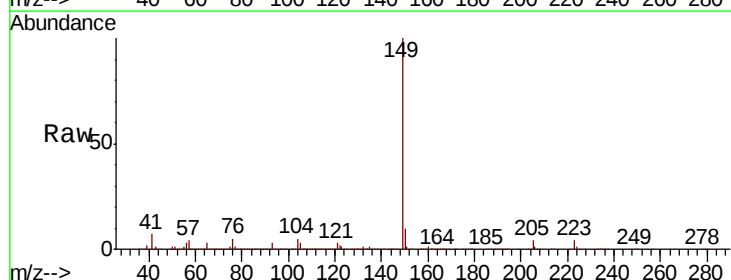
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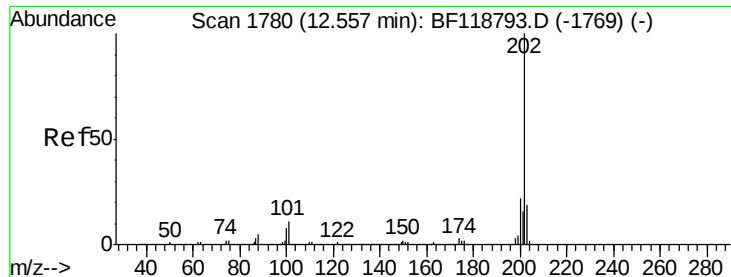
mohammad
 2/6/2020 2:17:17 PM



#74
 Di-n-butylphthalate
 Concen: 47.825 ng
 RT: 11.90 min Scan# 1668
 Delta R.T. -0.01 min
 Lab File: BF118811.D
 Acq: 4 Feb 2020 19:49

Tgt Ion	Ratio	Lower	Upper
149	100		
150	10.2	8.1	12.1
104	5.4	4.3	6.5





#75

Fluoranthene

Concen: 45.661 ng

RT: 12.55 min Scan# 1778

Delta R.T. -0.01 min

Lab File: BF118811.D

Acq: 4 Feb 2020 19:49

Instrument :

BNA_F

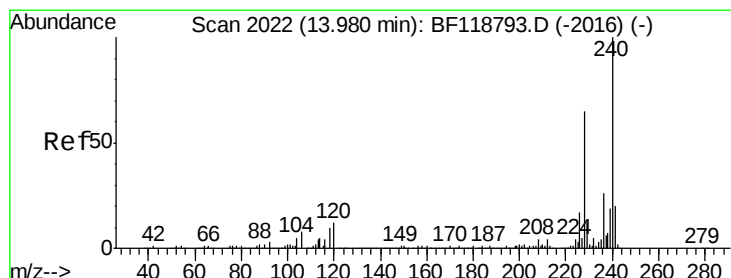
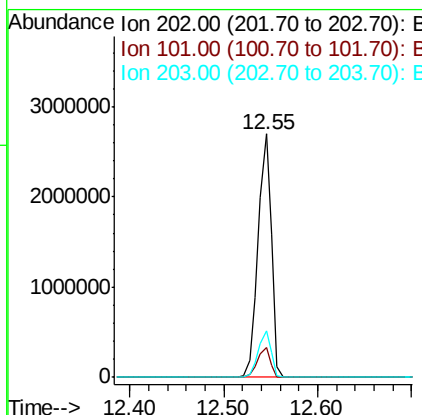
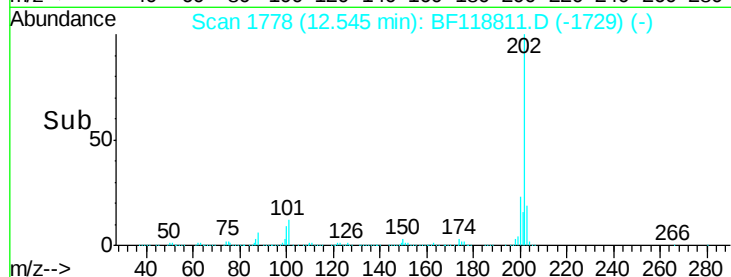
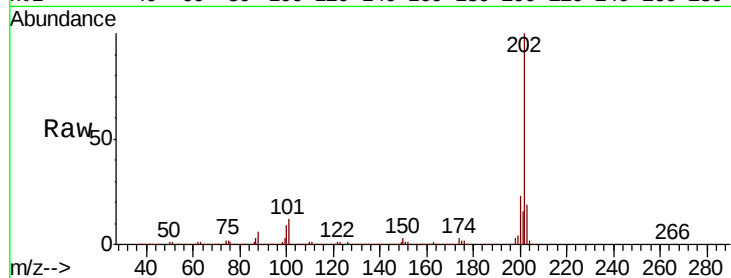
ClientSampleId :

BW-2MSD

Tot Ion:	202	Resp:	2655645
Ion	Ratio	Lower	Upper
202	100		
101	12.0	0.0	31.0
203	19.2	0.0	38.7

Manual Integrations
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#76

Chrysene-d12

Concen: 20.000 ng

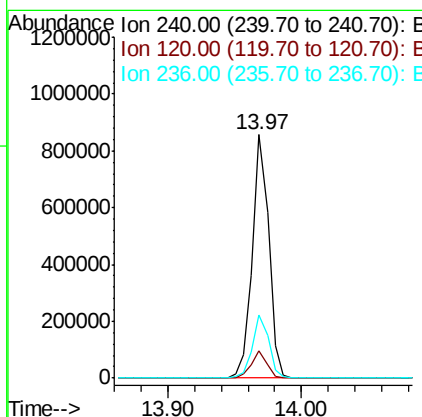
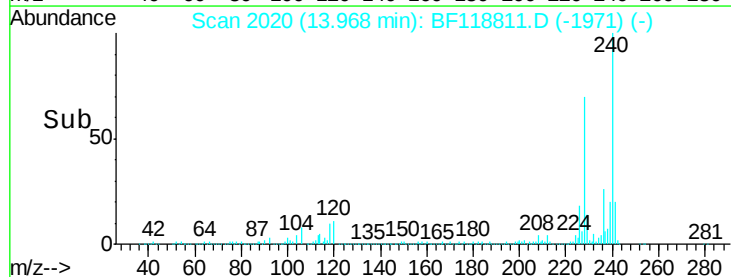
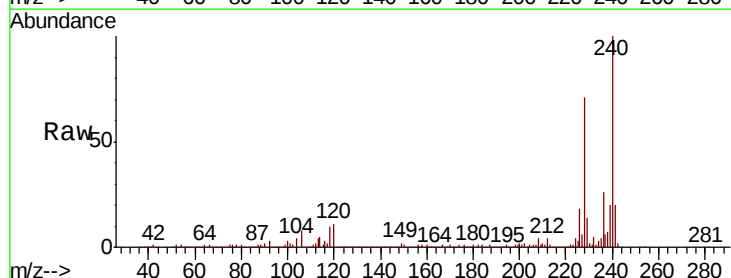
RT: 13.97 min Scan# 2020

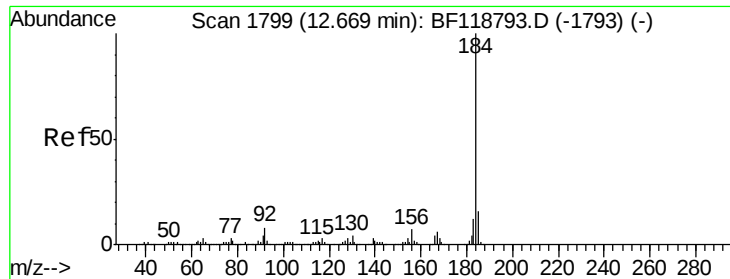
Delta R.T. -0.01 min

Lab File: BF118811.D

Acq: 4 Feb 2020 19:49

Tgt Ion:	240	Resp:	717406
Ion	Ratio	Lower	Upper
240	100		
120	11.2	9.4	14.0
236	26.2	21.0	31.6





#77

Benzidine

Concen: 54.466 ng

RT: 12.66 min Scan# 1798

Delta R.T. -0.01 min

Lab File: BF118811.D

Acq: 4 Feb 2020 19:49

Instrument :

BNA_F

ClientSampleId :

BW-2MSD

Tot Ion:184 Resp: 1181820

Ion Ratio Lower Upper

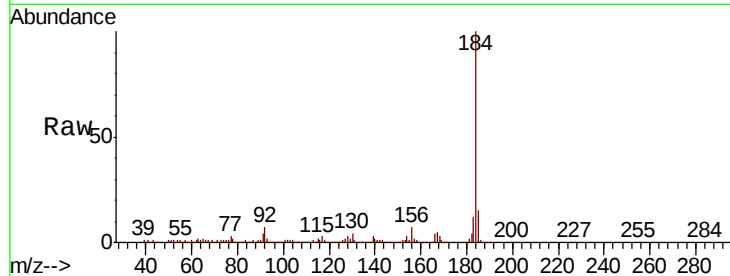
184 100

185 14.6 12.5 18.7

183 12.3 9.7 14.5

Manual Integrations
APPROVED

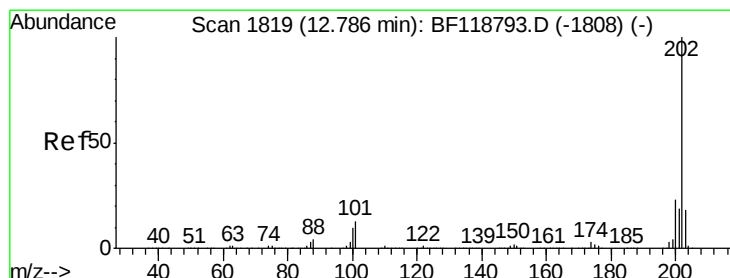
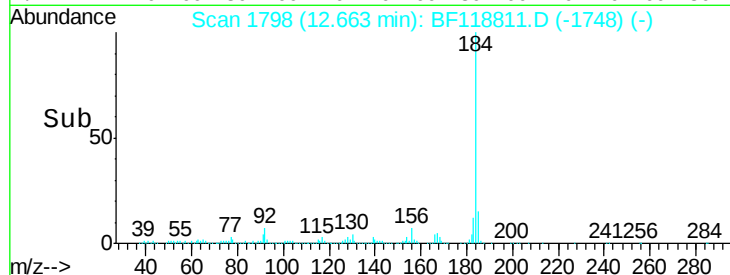
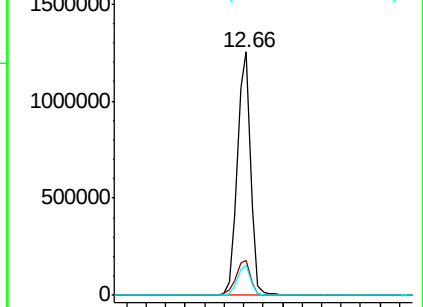
mohammad
2/6/2020 2:17:17 PM



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 53.697 ng

RT: 12.77 min Scan# 1817

Delta R.T. -0.01 min

Lab File: BF118811.D

Acq: 4 Feb 2020 19:49

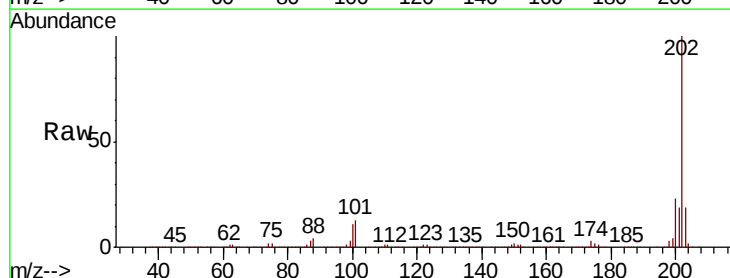
Tgt Ion:202 Resp: 2642764

Ion Ratio Lower Upper

202 100

200 23.4 18.2 27.2

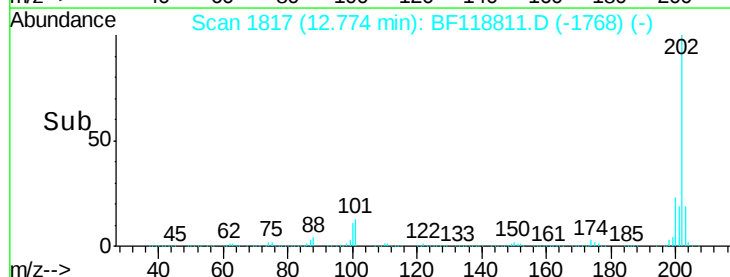
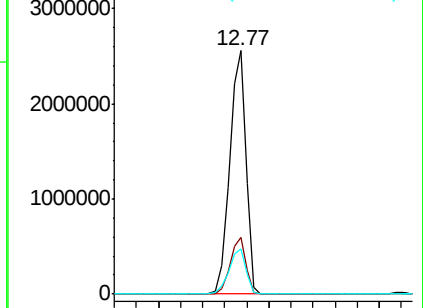
203 18.7 14.8 22.2

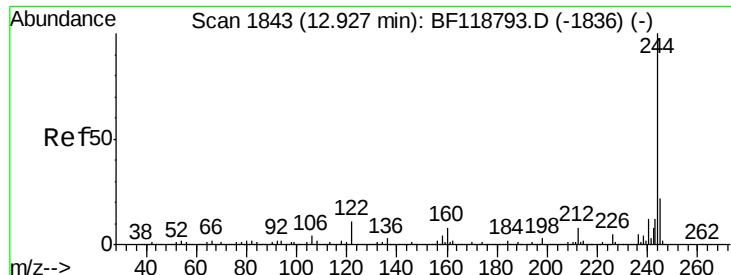


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





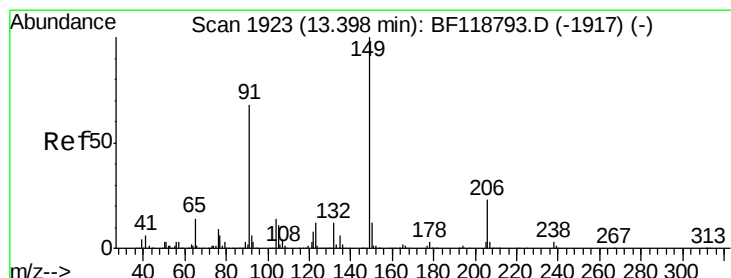
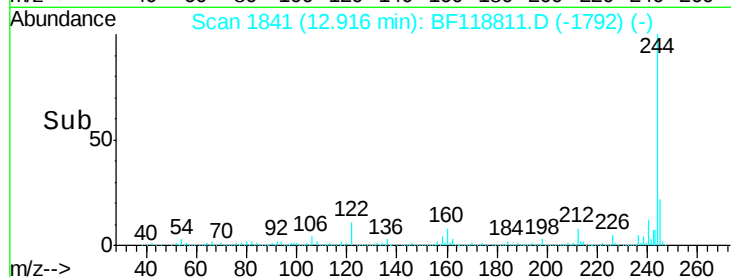
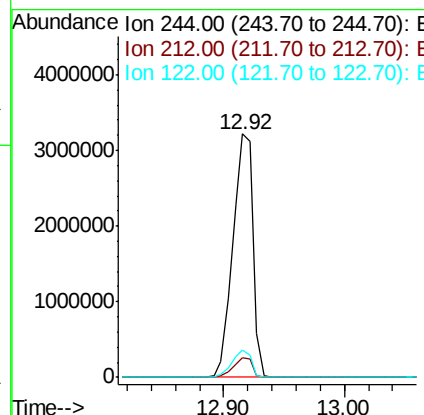
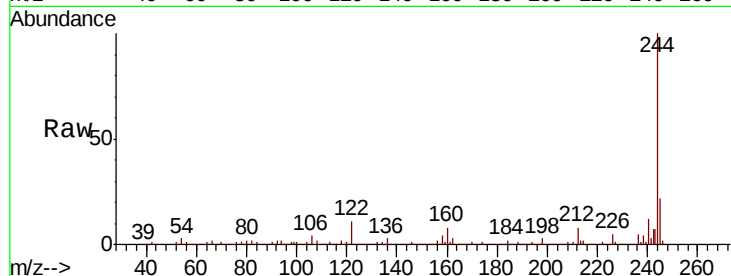
#79
 Terphenyl-d14
 Concen: 106.480 ng
 RT: 12.92 min Scan# 1841
 Delta R.T. -0.01 min
 Lab File: BF118811.D
 Acq: 4 Feb 2020 19:49

Instrument :
 BNA_F
 ClientSampleId :
 BW-2MSD

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.1	6.5	9.7
122	11.4	8.9	13.3

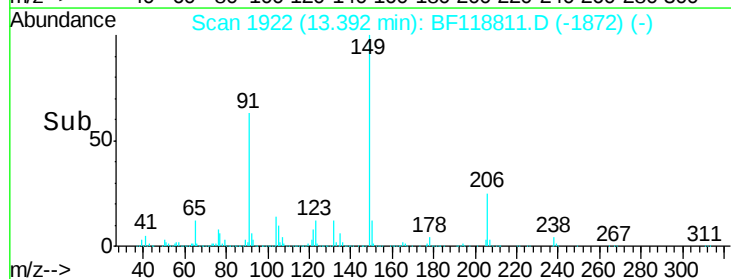
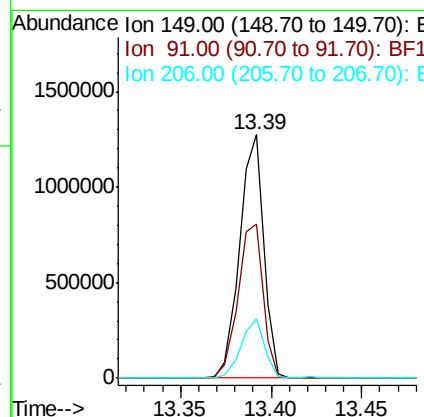
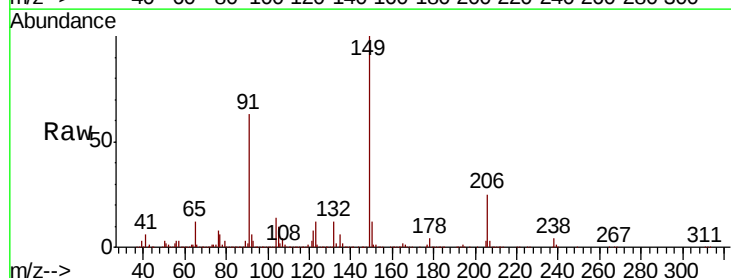
Manual Integrations
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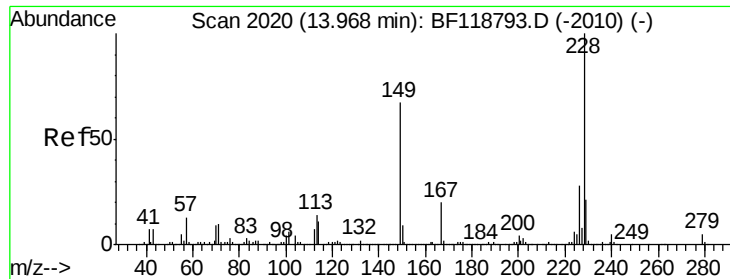
mohammad
 2/6/2020 2:17:17 PM



#80
 Butylbenzylphthalate
 Concen: 52.423 ng
 RT: 13.39 min Scan# 1922
 Delta R.T. -0.01 min
 Lab File: BF118811.D
 Acq: 4 Feb 2020 19:49

Tgt Ion	Ratio	Lower	Upper
149	100		
91	63.4	54.7	82.1
206	24.6	18.5	27.7





#81

Benzo(a)anthracene

Concen: 49.933 ng

RT: 13.96 min Scan# 2018

Delta R.T. -0.01 min

Lab File: BF118811.D

Acq: 4 Feb 2020 19:49

Instrument :

BNA_F

ClientSampleId :

BW-2MSD

Tot Ion:228 Resp: 2131650

Ion Ratio Lower Upper

228 100

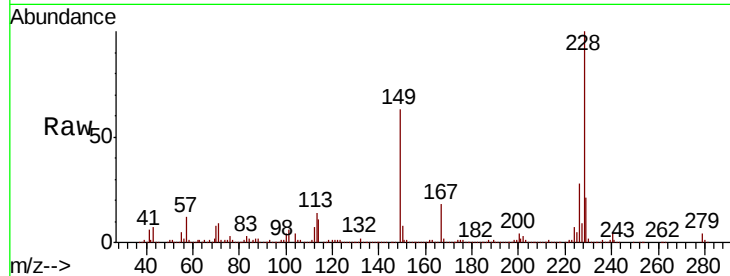
226 27.9 22.7 34.1

229 20.8 16.6 25.0

Manual Integrations
APPROVED

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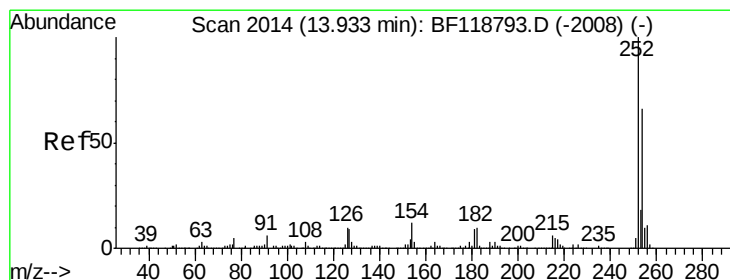
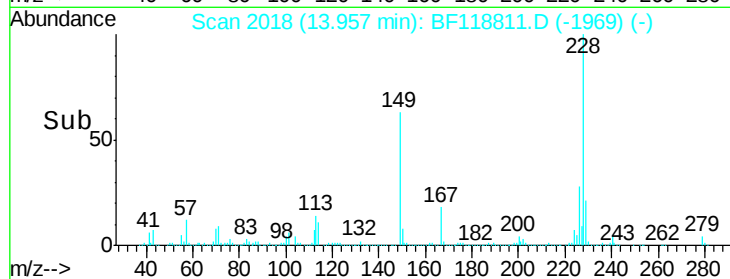
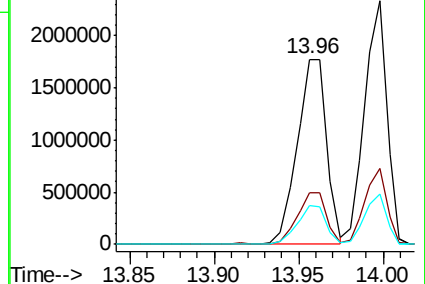
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Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 32.658 ng

RT: 13.92 min Scan# 2011

Delta R.T. -0.02 min

Lab File: BF118811.D

Acq: 4 Feb 2020 19:49

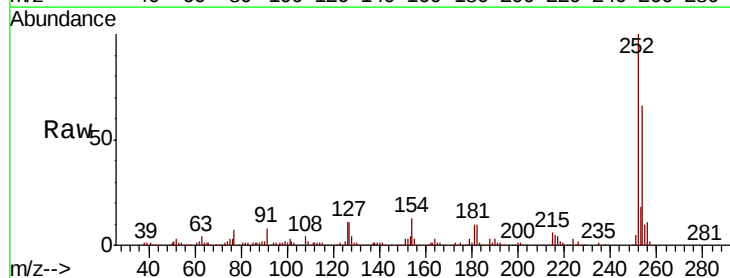
Tgt Ion:252 Resp: 570209

Ion Ratio Lower Upper

252 100

254 66.3 52.4 78.6

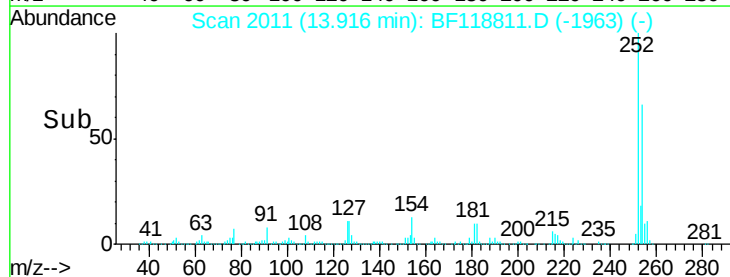
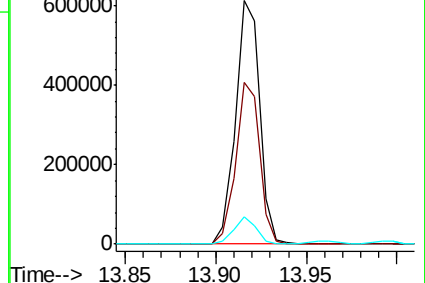
126 11.5 7.8 11.8

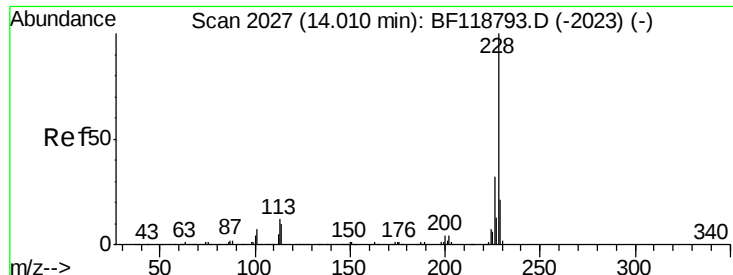


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





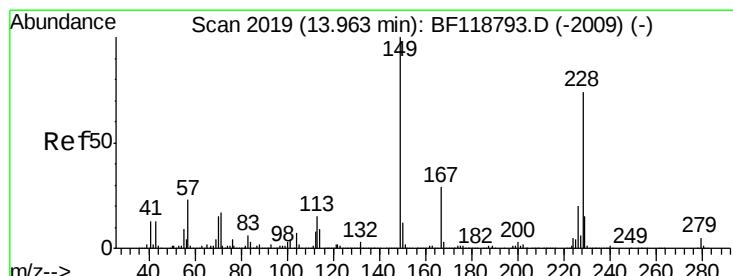
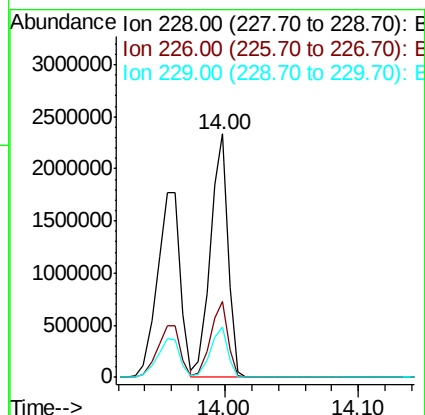
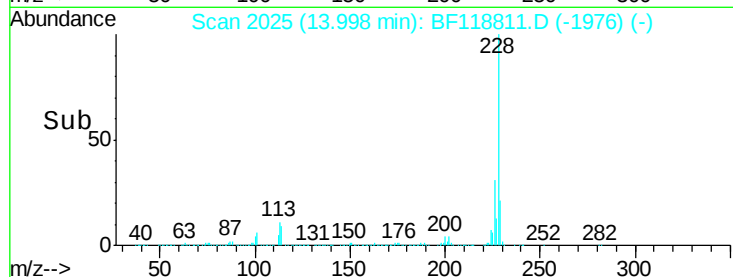
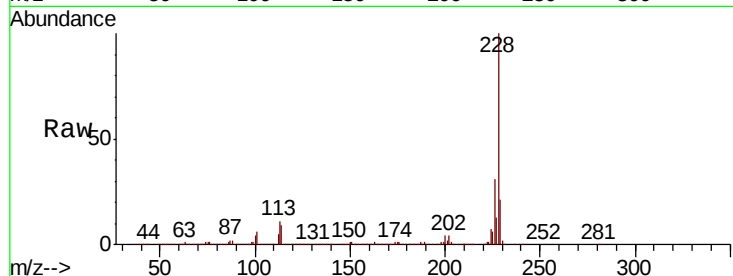
#83
Chrysene
Concen: 50.042 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.01 min
Lab File: BF118811.D
Acq: 4 Feb 2020 19:49

Instrument :
BNA_F
ClientSampleId :
BW-2MSD

Tot Ion:228 Resp: 2144118
Ion Ratio Lower Upper
228 100
226 31.2 25.4 38.0
229 20.8 16.9 25.3

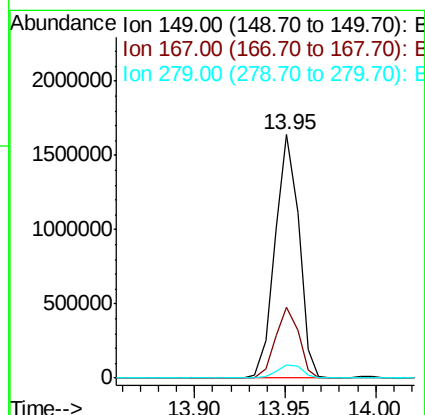
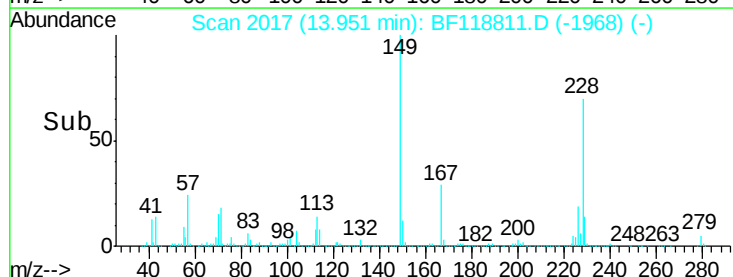
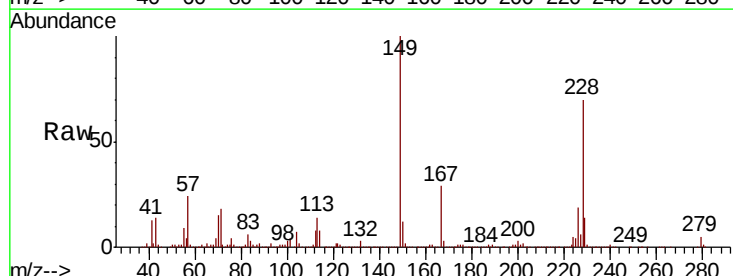
Manual Integrations
APPROVED

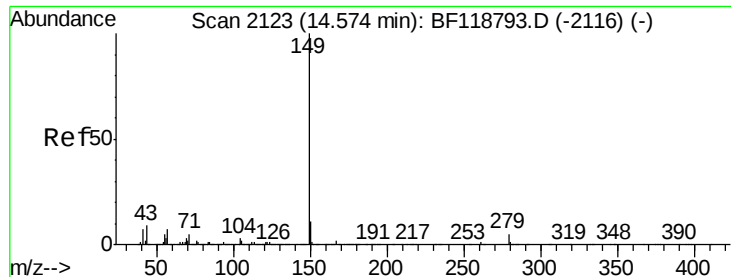
mohammad
2/6/2020 2:17:17 PM



#84
Bis(2-ethylhexyl)phthalate
Concen: 52.769 ng
RT: 13.95 min Scan# 2017
Delta R.T. -0.01 min
Lab File: BF118811.D
Acq: 4 Feb 2020 19:49

Tgt Ion:149 Resp: 1503917
Ion Ratio Lower Upper
149 100
167 29.1 23.0 34.6
279 5.5 4.4 6.6





#85

Di-n-octyl phthalate

Concen: 50.845 ng

RT: 14.56 min Scan# 2121

Delta R.T. -0.01 min

Lab File: BF118811.D

Acq: 4 Feb 2020 19:49

Instrument :

BNA_F

ClientSampleId :

BW-2MSD

Tot Ion:149 Resp: 2482464

Ion Ratio Lower Upper

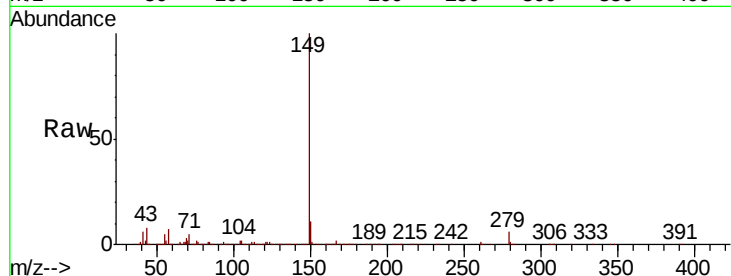
149 100

167 1.7 1.4 2.0

43 8.2 6.6 10.0

Manual Integrations
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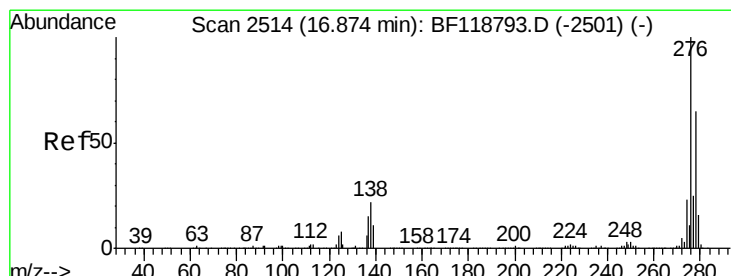
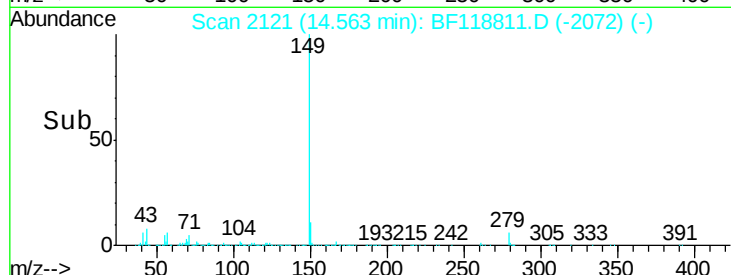
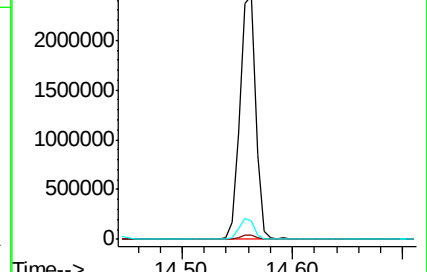
mohammad
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 54.664 ng

RT: 16.84 min Scan# 2509

Delta R.T. -0.03 min

Lab File: BF118811.D

Acq: 4 Feb 2020 19:49

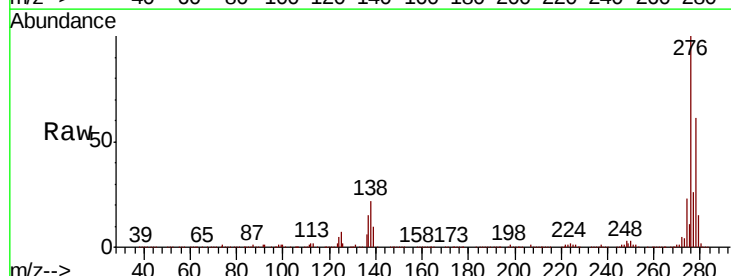
Tgt Ion:276 Resp: 2353203

Ion Ratio Lower Upper

276 100

138 23.1 18.3 27.5

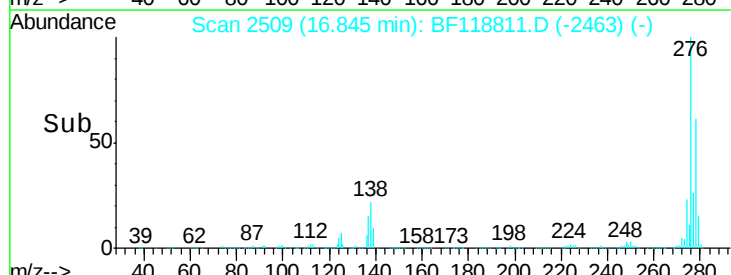
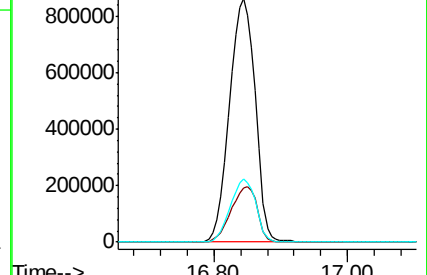
277 25.8 20.2 30.4

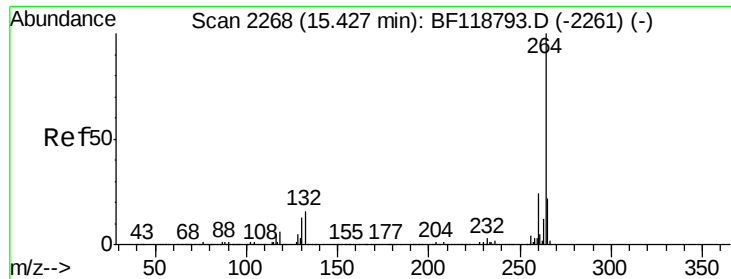


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.41 min Scan# 2265

Delta R.T. -0.02 min

Lab File: BF118811.D

Acq: 4 Feb 2020 19:49

Instrument :

BNA_F

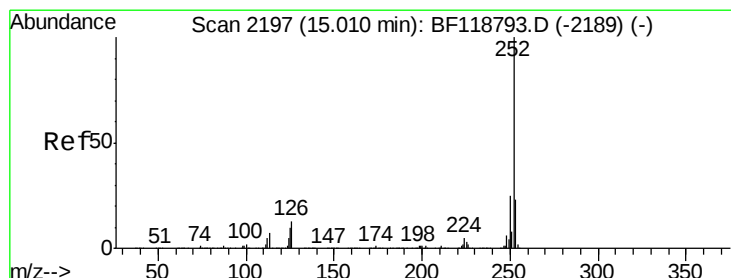
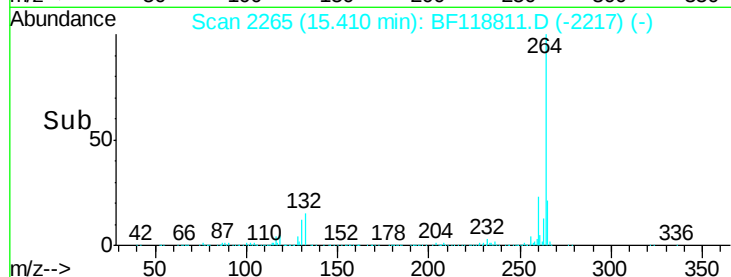
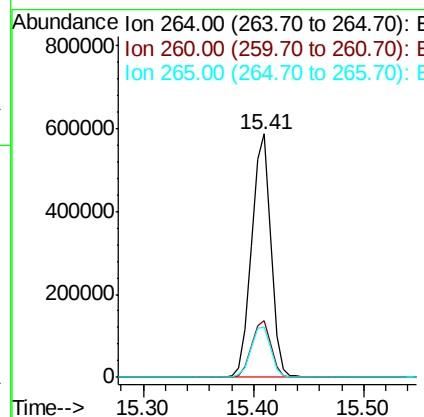
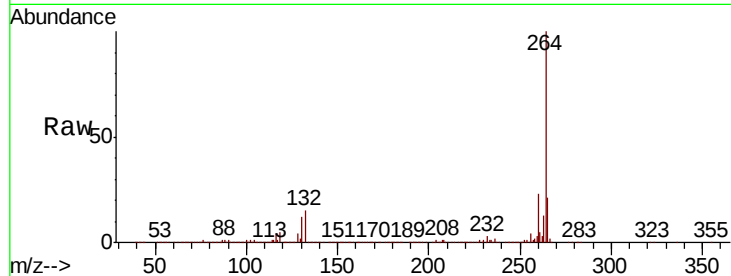
ClientSampleId :

BW-2MSD

Tot Ion:	264	Resp:	721853
Ion Ratio	Lower	Upper	
264	100		
260	23.5	19.1	28.7
265	20.9	17.2	25.8

Manual Integrations
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mohammad
2/6/2020 2:17:17 PM



#88

Benzo(b)fluoranthene

Concen: 49.738 ng

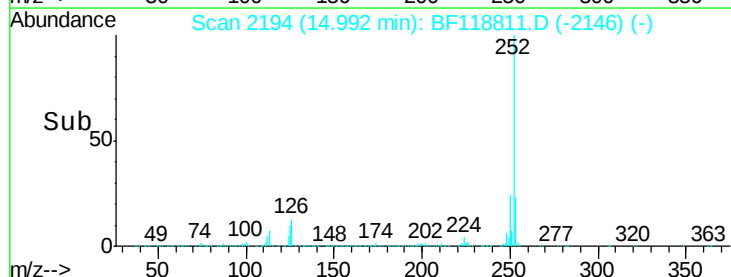
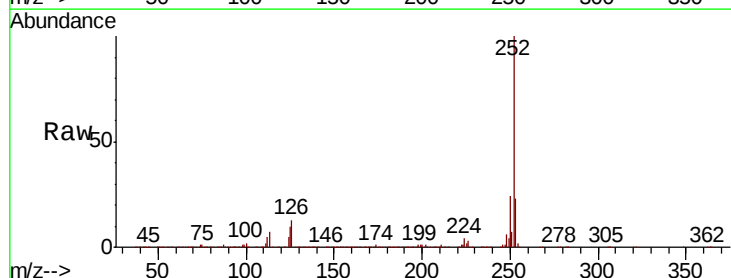
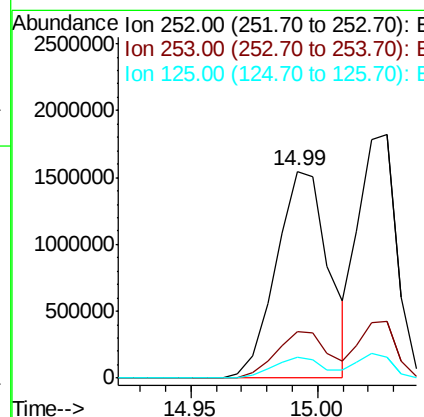
RT: 14.99 min Scan# 2194

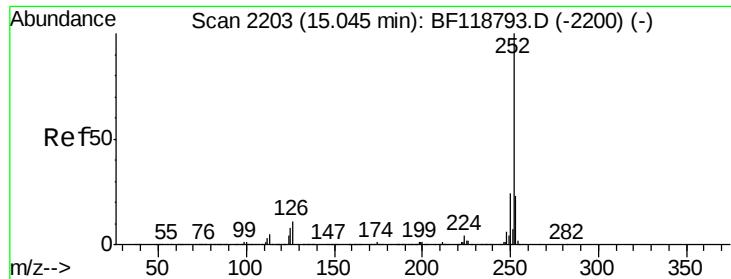
Delta R.T. -0.02 min

Lab File: BF118811.D

Acq: 4 Feb 2020 19:49

Tgt Ion:	252	Resp:	2227889
Ion Ratio	Lower	Upper	
252	100		
253	22.6	18.4	27.6
125	10.2	8.1	12.1





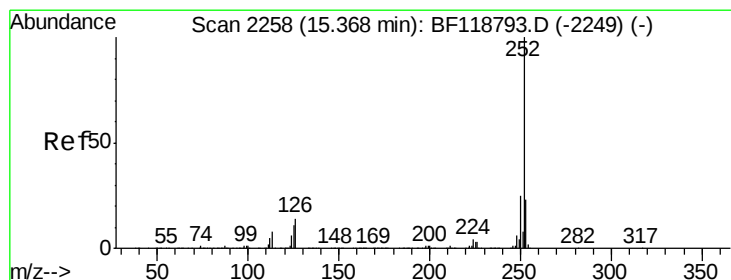
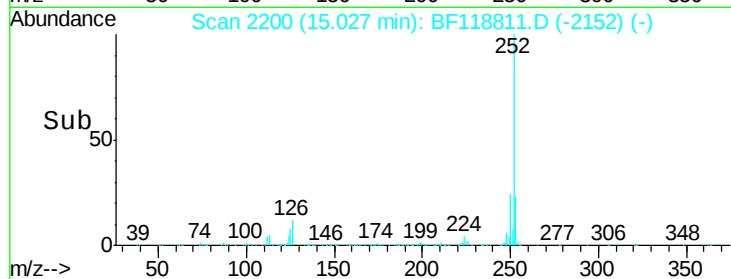
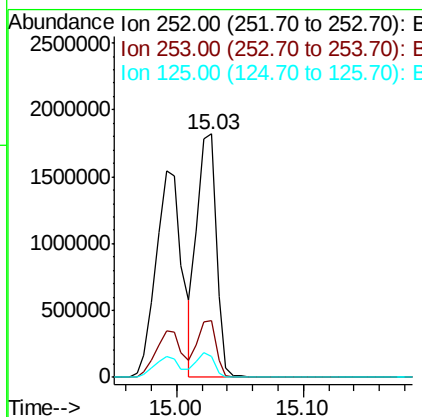
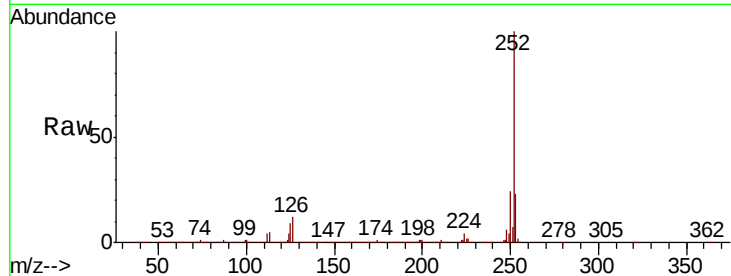
#89
Benzo(k)fluoranthene
Concen: 49.114 ng
RT: 15.03 min Scan# 2200
Delta R.T. -0.02 min
Lab File: BF118811.D
Acq: 4 Feb 2020 19:49

Instrument :
BNA_F
ClientSampleId :
BW-2MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	23.1	18.2	27.4
125	8.6	7.0	10.6

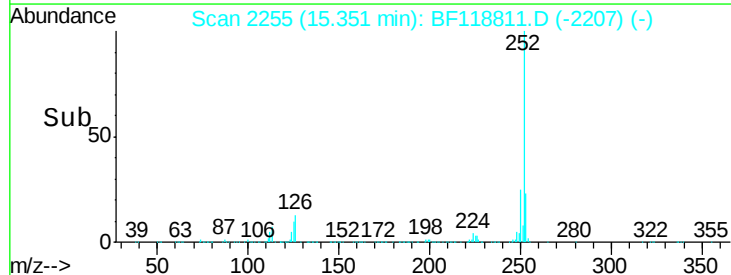
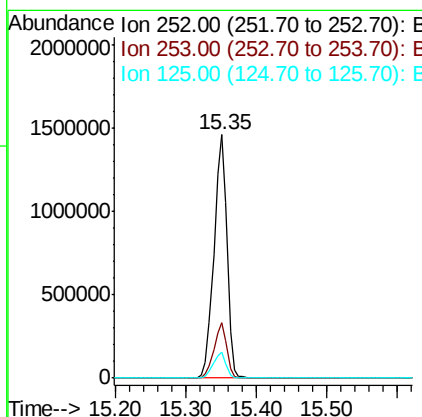
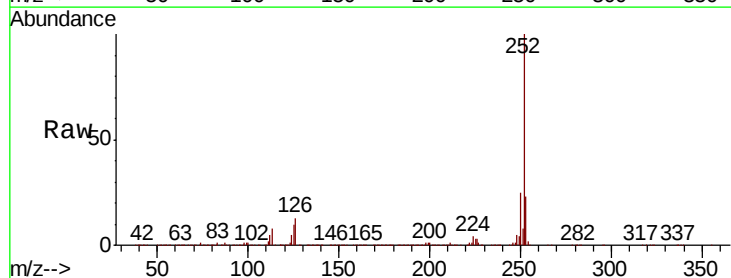
Manual Integrations
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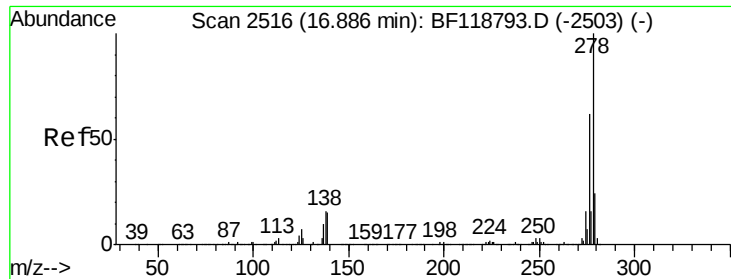
mohammad
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#90
Benzo(a)pyrene
Concen: 48.896 ng
RT: 15.35 min Scan# 2255
Delta R.T. -0.02 min
Lab File: BF118811.D
Acq: 4 Feb 2020 19:49

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	18.1	27.1
125	10.5	8.7	13.1





#91

Dibenzo(a,h)anthracene

Concen: 57.525 ng

RT: 16.86 min Scan# 2512

Delta R.T. -0.02 min

Lab File: BF118811.D

Acq: 4 Feb 2020 19:49

Instrument :

BNA_F

ClientSampleId :

BW-2MSD

Tot Ion:278 Resp: 1957589

Ion Ratio Lower Upper

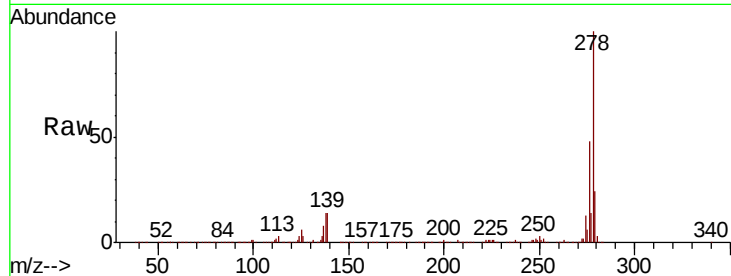
278 100

139 14.4 12.3 18.5

279 24.1 19.1 28.7

Manual Integrations
APPROVED

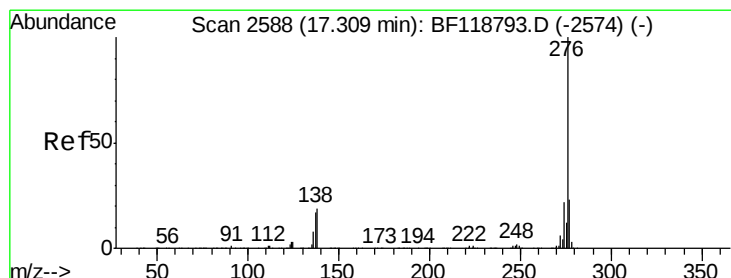
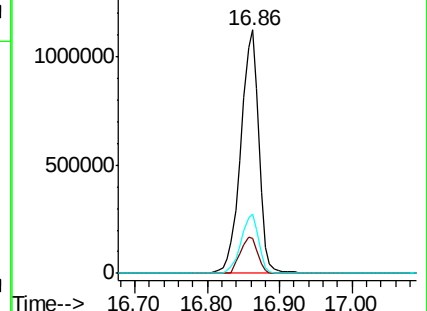
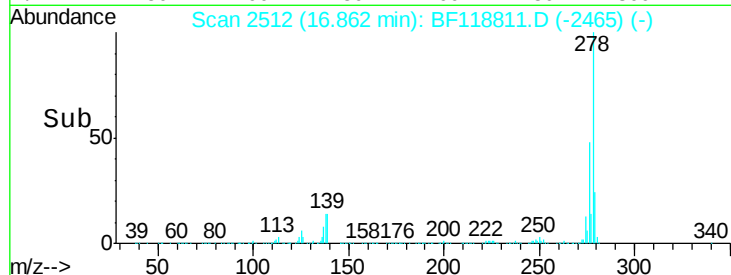
mohammad
2/6/2020 2:17:17 PM



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 61.245 ng

RT: 17.28 min Scan# 2583

Delta R.T. -0.03 min

Lab File: BF118811.D

Acq: 4 Feb 2020 19:49

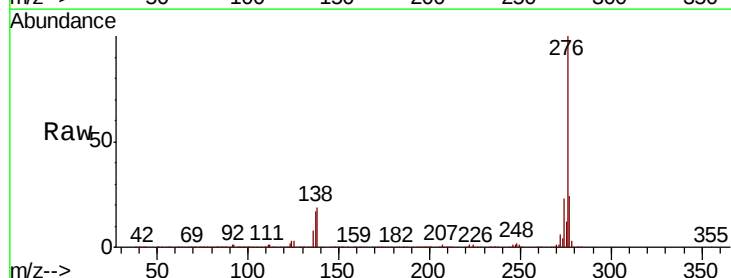
Tgt Ion:276 Resp: 2004381

Ion Ratio Lower Upper

276 100

277 23.6 18.7 28.1

138 19.4 15.4 23.2



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

